TM BARINA

TM Barina
Owner’s Handbook

GM Holden Ltd, ABN 84 006 893 232 (hereinafter Holden)

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, Holden may need to contact you as the owner of this vehicle.

If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the forms at the beginning of the Service/warranty booklet.

For information about GM Holden's privacy policy or to update owner details online, please visit Holden's website at www.holden.com.au

Note Please refer to the inside front cover of the Service/ warranty booklet for the Vehicle Identification Certificate.

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Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This handbook applies to the current Barina model. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Handbook provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Using this manual

- The In brief section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Depending on the model variant, integrated special equipment and accessories, the scope of equipment of your vehicle can differ from the descriptions in this Owner's Handbook.
- The *Bluetooth*® word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc.
- iPod® and iPhone® are registered trademarks of Apple Inc.

Danger, warnings and cautions

⚠Danger

Text marked ⚠ **Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning

Text marked ⚠ **Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution

Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

In brief

Initial drive information

Locking/unlocking the vehicle

Remote keyless entry

Hatch shown

The key operates all doors and the ignition.

- Press to unlock the doors and the tailgate.

  The hazard lamps flash twice.
- Press to lock the doors and the tailgate.

  The hazard lamps flash once.

Sedan shown

The key operates all doors and the ignition.

- Press to unlock the doors.

  The hazard lamps flash twice.
- Press to lock the doors.

  The hazard lamps flash once.
- Press to unlock the boot.

Central locking system, see page 19.

Tailgate, see page 22.

Seat adjustment

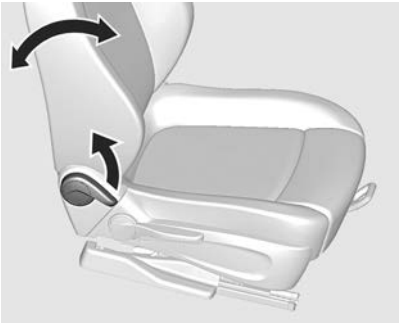
Seat positioning

1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.

Seat adjustment, see page 30.

Seat position, see page 29.

Seat backrests



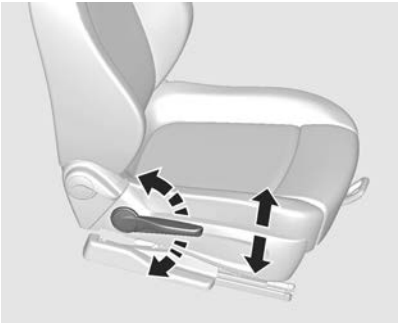
1. Recline the seatback by pulling the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note

Do not lean on the seat when adjusting.

Seat adjustment, see page 30.

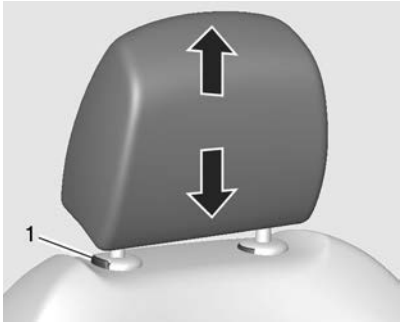
Seat height



- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Seats and restraints, see page 28.

Head restraint adjustment



- To raise the head restraint, pull the head restraint upwards.
- To lower the head restraint, press (1) and push the head restraint downwards.

Head restraints, see page 28.

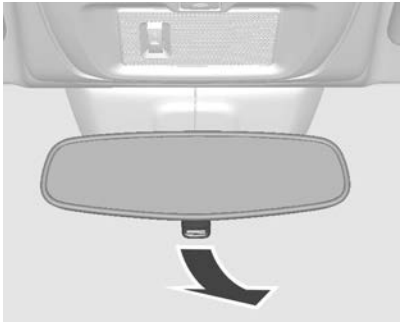
Seat belts

1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Seat belts, see page 32.

Mirror adjustment

Interior mirrors



To reduce headlamp glare from following vehicles, push the lever towards the front of the vehicle.

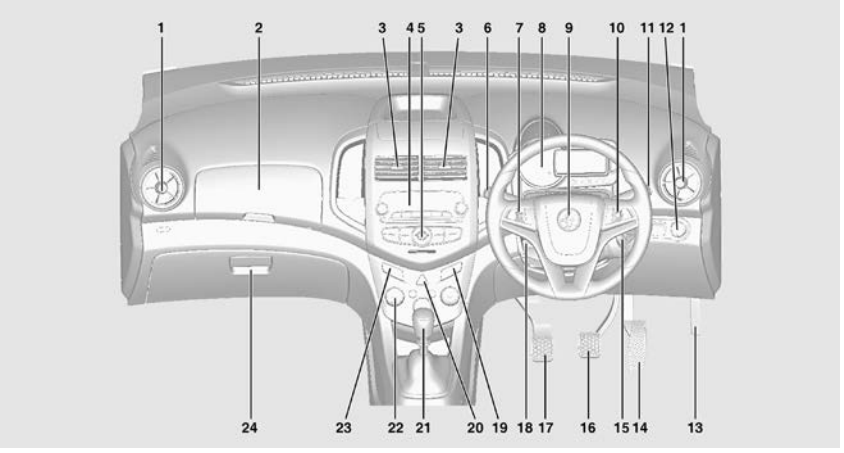
Rear view mirror, see page 25.

Steering wheel adjustment

1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

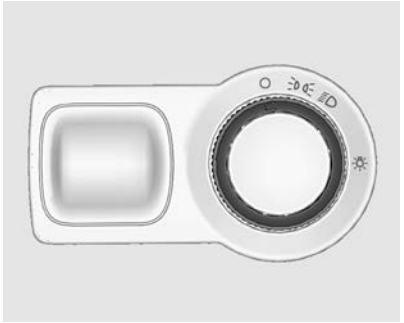
Steering wheel adjustment, see page 48.

Instrument panel overview



1. Side air vents
2. Storage (AUX, USB ports)
3. Central air vents
4. Information display
5. Infotainment system
6. Wiper and washer lever
7. Cruise control
8. Instrument panel
9. Horn, driver’s airbag
10. Steering wheel remote controls
11. Turn signals
12. Exterior lamp switch
13. Bonnet release lever
14. Accelerator pedal
15. Ignition switch/lock
16. Brake pedal
17. Clutch pedal
18. Steering wheel adjustment
19. Central locking button
20. Hazard warning flasher
21. Shift lever
22. Climate control system
23. Passenger seat belt reminder light
24. Glove box

Exterior lighting



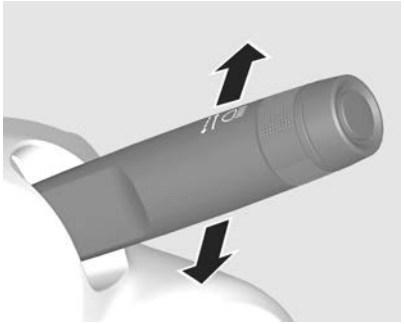
O (OFF): Rotate to turn all lamps and lights off.

(Park lamps): Turns on the park lamps, number plate lamps and instrument panel lights.

(Headlamps): Turns on the headlamps and all park lamps.

Exterior lighting, see page 65.

High/low beam



- To switch from low to high beam, push the lever.
- To switch to low beam, push again or pull the lever.

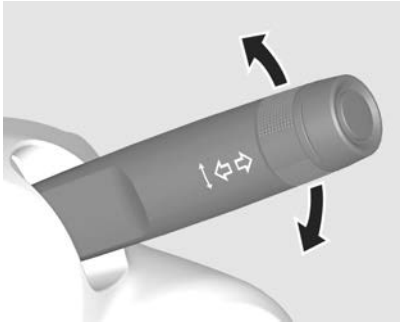
Exterior lighting, see page 65.

Hazard warning flashers

Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

Exterior lighting, see page 65.

Turn and lane-change signals



- Push the lever in the direction the steering wheel is turned.
- A green arrow on the instrument panel flashes when the lamps are in operation.

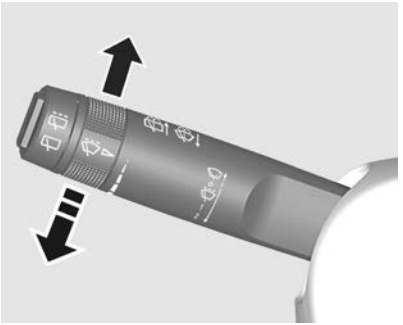
Exterior lighting, see page 65.

Horn

Press .

Washer and wiper systems

Windscreen wiper



: Mist

O: Off

: Intermittent operation

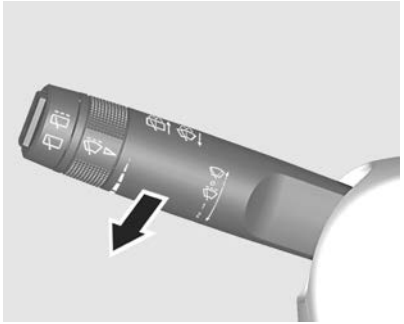
1: Continuous wipe, slow speed

2: Continuous wipe, fast speed

For a single wipe when the windscreen wipers are off, lightly move the lever up and release it.

Windscreen wiper/washer, see page 49.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

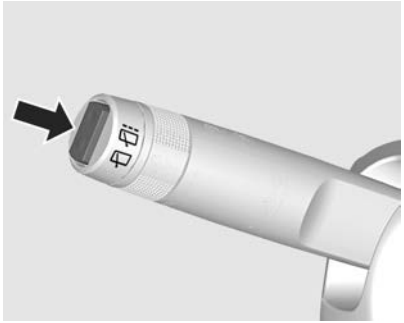
Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Windscreen washer, see page 50.

Washer fluid, see page 148.

Rear window wiper/washer (Hatch)

Wiper



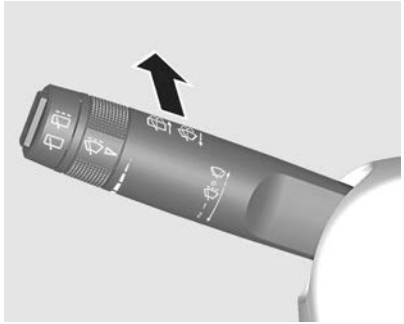
: Intermittent wipes, push in at the top of the button.

: Continuous wipes, push in at the bottom of the button.

- To turn the wipers off, place the switch in the neutral position.

Rear window wiper/washer, see page 51.

Washer



Push the lever forwards.

Washer fluid is sprayed onto the rear window and the wiper swipes for a few strokes.

Rear window wiper/washer, see page 51.

Washer fluid, see page 148.

Climate control

Heated rear window

Press ⌧.

Note
The engine must be running.

Heated rear window on page 26.

Demisting and defrosting the windows

Rotate to select ⌧.

Windscreen demister, see page 117.

Transmission

Manual transmission

Select reverse gear while the vehicle is stationery:

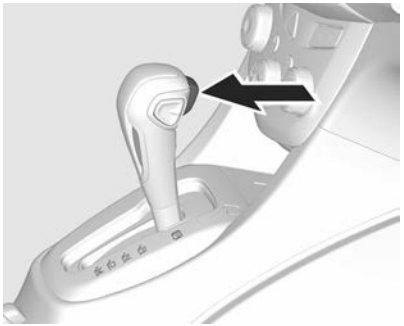
1. Press the clutch pedal to the floor.
2. Pull the ring upwards.
3. Move the shift lever to position **R**.

If the gear does not engage:

1. Return the shift lever to neutral.
2. Release the clutch pedal.
3. Push the clutch pedal again and repeat gear selection.

Manual transmission, see page 130.

Automatic transmission



P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

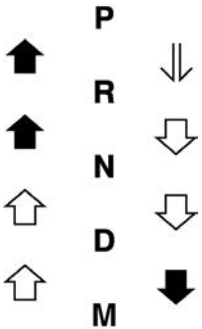
R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral)

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

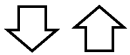
M: (manual)

Movement between certain gear positions requires pressing the release button on the shift lever and/or the brake pedal to the floor.



Follow the descriptions as indicated by the arrows when moving the shift lever.

Press the release button to select a gear.



Push the brake pedal to the floor and press the release button to select a gear.

Shift freely to select a gear.

Automatic transmission, see page 125.

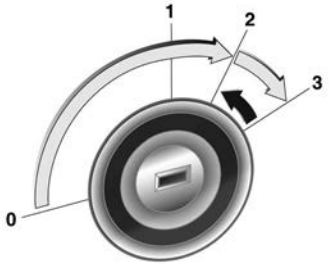
Getting started

1. Check that windows, mirrors and lamps are clean.
2. Visually check tyre inflation. Check tyre pressures weekly.
3. Close and secure all doors.
4. Position the seat for comfortable driving.
5. Adjust rear view mirrors.
6. Fasten seat belts.
7. Check that warning indicators illuminate when turning the ignition on.

Warning lights, gauges and indicators, see page 53.

Driving and operating, see page 121.

Starting the engine



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0: (LOCK) The key can only be inserted and removed from this position.

1: (ACC) When the key is in this position, the audio system operates.

2: (ON) When the key is in this position, the engine is ready to start and all electrical systems are active.

Do not leave the switch in this position for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

3: (START) Turn the key to this position and release when the engine is running.

Ignition positions, see page 122.

Parking

1. Apply the park brake.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.
3. Shut all windows.
4. Turn the ignition off and remove the key.
5. Press on the key to lock all doors.

Driving and operating, see page 121.

Keys, doors and windows

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Windows 25

Keys and locks

Keys

Hatch shown

The key operates all doors and the ignition.

- Press to unlock the doors and the tailgate.

  The hazard lamps flash twice.
- Press to lock the doors and the tailgate.

  The hazard lamps flash once.

See Tailgate on page 22.

Sedan shown

The key operates all doors and the ignition.

- Press to unlock the doors.

  The hazard lamps flash twice.
- Press to lock the doors.

  The hazard lamps flash once.
- Press to unlock the boot.

See Central locking system on page 19.

See Boot lid on page 23.

Foldaway key blade

The vehicle may have a foldaway key blade.

1. Press button to extend the key blade.
2. To retract the key blade, press the button and fold the blade into the key.

About the keys

- The remote control has a range of up to 30 metres.
- The range depends on the charge of the key battery, on ambient conditions, the key's location and the area between them.
- Take care that no button is pressed unintentionally, especially when the vehicle is out of sight.
- Protect from moisture and high temperatures.

The key buttons may not work if:

- More than 20 metres from the vehicle.
- Battery voltage is too low. See Battery replacement on page 18.
- The key buttons are operated repeatedly while not in range of the vehicle.
- The central locking system is operated at frequent intervals.
- The power supply is interrupted for a short time.
- The vehicle is parked near strong radio activity.

Replacement keys

If a key is lost, a replacement can be ordered through any Holden Dealer by quoting the key code number. The number is printed on a detachable tag supplied with the key.

Radio remote control

Battery replacement

As soon as the range of the remote control reduces, replace the battery:

Foldaway key

Fixed key

Use CR2032 (or equivalent) battery.

1. Open the cover.
2. Remove the used battery.

   Avoid touching the circuit board to other components.
3. Install the new battery.

   Place the negative side (-) down towards the base.
4. Close the cover.
5. Check the key operation.

Note

- Batteries do not belong in household waste. Dispose of at an appropriate recycling collection point.
- Avoid dropping the transmitter.
- Do not place heavy objects on the transmitter.
- Keep the transmitter away from water and direct sunlight.

  If the transmitter gets wet, wipe it with a soft cloth.

Caution
Avoid touching the flat surfaces of the battery, the circuit board and other components inside the remote control with bare fingers. Handling will shorten battery life.

Central locking system

Doors may be locked and unlocked by pushing buttons on:

- The driver's door
- The key from inside or outside the vehicle
- The central locking button inside the vehicle

Note

The driver's door must be closed for the driver's door to lock.

To customise features, see Vehicle personalisation on page 62.

Central locking button

Locks and unlocks all doors, the tailgate/boot and fuel filler door.

- Press to lock.
- Press to unlock.

If the driver's door is open, the driver's door and fuel filler door cannot be locked.

To customise features, see Vehicle personalisation on page 62.

Unlocking

- Press .

  All doors unlock.

  The hazard lamps flash twice.

To unlock the driver's door only or to change the unlock feedback, see Vehicle personalisation on page 62.

Locking

- Press button .

  All doors lock.

  The hazard lamps flash once.

To change the lock feedback, see Vehicle personalisation on page 62.

Unlocking the boot (Sedan)

- Press .

  The boot lid unlocks and opens while all doors remain locked.

Automatic door locks

The doors may be locked, at any time from within the vehicle by pressing on the central locking button.

Automatic transmission

Moving the shift lever from **P** to any other position locks the doors, tailgate/boot and fuel filler door automatically.

To unlock, press on the central locking button or move the shift lever to position **P**.

To customise features, see Vehicle personalisation on page 62.

Manual transmission

When vehicle speed is above 13 km/h, the doors, tailgate/boot and fuel filler door are automatically locked.

To customise features, see Vehicle personalisation on page 62.

⚠Warning

Do not unlock the vehicle while driving.

Doors

Manual door locks

1. Insert the key in the driver's door.
2. Turn the key towards the rear of the vehicle to lock the doors.
3. Turn the key towards the front of the vehicle to unlock the driver's door.

Note

Tap the key slot or heat the key if the door does not open in cold weather.

Child security rear door locks

⚠Warning

Use the child security door locks whenever children are occupying the rear seats.

Caution

Do not pull the inside door handle while the child security door is locked. Damage may occur.

The child security rear door locks prevent the rear doors from being opened from the inside.

Rotate the switch using a key or suitable screwdriver.

To activate:

- Rotate the switch to the horizontal position.

To open a door when the child security rear door lock is activated:

- Open the door from the outside.

Tailgate/boot lid

Remote unlocking/locking

⚠Warning

Do not drive with the tailgate/ boot open or ajar, e.g. when transporting bulky objects. Dangerous exhaust fumes may enter the vehicle.

To avoid injury and/or damage to the vehicle, check each time, before the tailgate/boot is closed, that the contact area is unobstructed.

Caution

Before opening the tailgate/boot, check the area above and behind for obstructions, to avoid damage to the tailgate/boot.

Note
Adding heavy accessories to the tailgate/boot may affect its ability to remain open.

Tailgate

Unlocking:

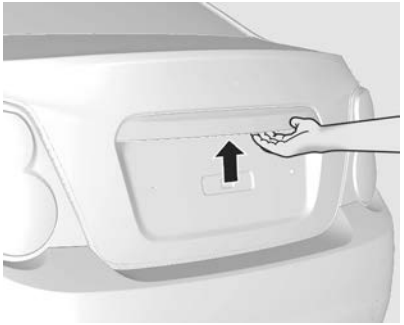
1. Press .
2. Push the touchpad on the tailgate.

Locking:

1. Push down so it latches securely.
2. Press .

Note
When the engine is running, the tailgate may be opened when the shift lever in position **P** (automatic transmission) or the park brake is on (manual transmission).

Boot lid



Unlocking:

1. Press .
2. Push the touchpad on the boot or press on the key.

Locking:

1. Push down so it latches securely.
2. Press .

Note
When the engine is running, the boot may be opened when the shift lever is in position **P** (automatic transmission) or the park brake is on (manual transmission).

Vehicle security

Auto door lock

When unlocking the doors with the remote key, all doors will lock automatically after approximately 3 minutes if:

- The doors remain closed.
- The ignition key is not in the ACC or ON positions

To customise features, see Vehicle personalisation on page 62.

Auto door unlock

In the event of an accident, the doors will automatically unlock if the ignition is on.

Note
The doors may not unlock if damage occurs to the door lock system or battery.

Immobiliser

The immobiliser prevents unauthorised engine starting.

- If an invalid key is inserted into the ignition switch/lock, an indicator on the instrument panel will flash.

  The vehicle will not start.
- The engine is automatically immobilised after the key is turned to LOCK and has been removed from the ignition switch/lock.
- Only valid ignition keys can be used to start the engine.

Have the vehicle checked by a Holden Dealer.

Exterior mirrors

Convex mirror

The convex exterior mirrors provide a wider view of the road and traffic.

Note
Objects appear smaller than their actual size.

Power mirrors

L: Left side mirror selected

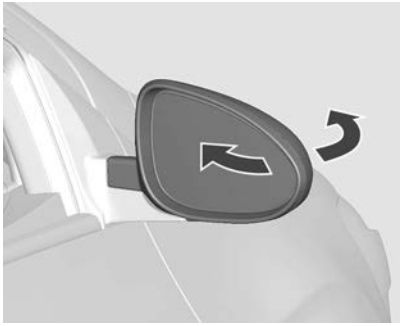
R: Right side mirror selected

O: No mirrors selected

To adjust an exterior rear view mirror:

1. Rotate the switch to **L** or **R**.
2. Swivel the switch to adjust the mirror.

Folding mirrors



When the vehicle is parked, the mirrors may be folded flat against the side of the vehicle.

⚠Warning

Always extend mirrors outwards for driving to increase visibility.

Do not drive while either exterior mirror is folded against the vehicle.

Interior mirrors

Rear view mirror

To reduce headlamp glare from following vehicles, push the lever towards the front of the vehicle.

Note

The rear view clarity is reduced when the mirror is set to the anti-glare position.

Return the lever back to its original position as soon as the glare has disappeared.

Windows

Power windows

⚠Warning

Before operating the power windows, check they are free of obstructions and that passengers and pets are not in the proximity of the moving window.

The power windows can be operated when the ignition is turned on.

Operation

- To open a window, press the switch down.
- To close a window, lift the switch up.
- The window stops moving up as soon as the button is released.

⚠Danger

Do not leave keys or children unattended in the vehicle.

Children may operate the switches and become trapped in the windows.

Serious injury or death may occur from misuse of power windows.

Auto up/down

The driver's window has an auto up/down function.

- To open the window automatically, press the switch down.
- To close the window automatically, pull the switch up.
- The window will open or close fully when the switch is released.
- Press or pull the switch to interrupt automatic operation.

Anti-pinch function

If the window encounters any resistance during closing, it will stop immediately and open again.

Child safety switch

Press to activate/deactivate the rear door power window switches.

Heated rear window

- Press .

The heated rear window:

- Operates when the ignition is turned on.
- Switches off automatically after a few minutes or by pressing again.

Caution

Do not use sharp objects or abrasive window cleaners on the rear window.

Do not scratch or damage the wires.

Sun visors

The sun visors can be folded down or folded outwards over the side window, to prevent glare.

A mirror is located on the sun visor.

⚠Warning

Do not place the sun visor in such a position that it reduces visibility of the roadway, traffic or other objects.

Seats, restraints

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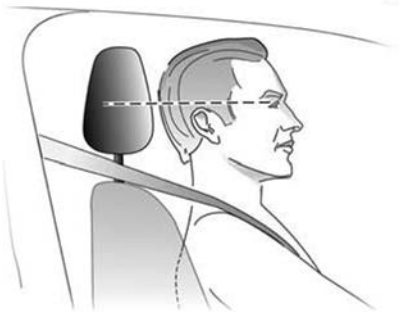
Head restraints

⚠Warning

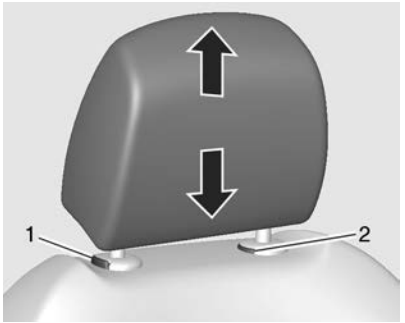
This safety feature is not intended to rest the head upon. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.

The centre of the head restraint should be at eye level, never at neck level.



Height adjustment

Front head restraints

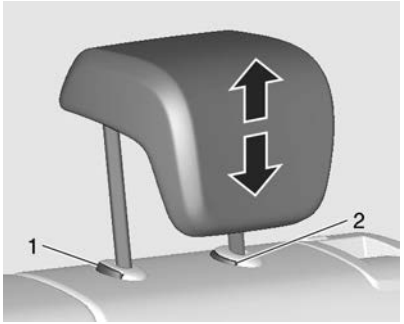


- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

Rear head restraints



- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

Front seats

Seat position

⚠Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

- Sit centrally in the seat.
- Use the backrest and cushion for support.
- Adjust the seat so that your legs are slightly angled when against the pedals.
- Adjust the backrest angle to easily reach the steering wheel with arms slightly bent. See Steering wheel adjustment on page 48.
- Maintain contact between shoulders and the backrest when turning the steering wheel.
- Adjust the head restraint. See Head restraints on page 28.
- Slide the passenger seat as far back as possible.

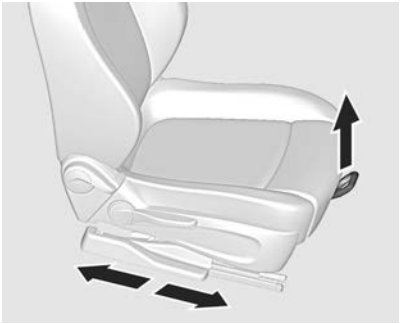
Seat adjustment

⚠Danger

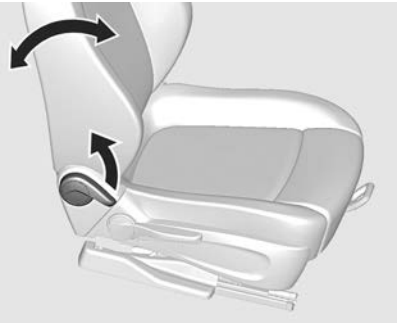
Do not sit nearer than 25 cm from the steering wheel, to allow safe airbag deployment.

⚠Warning

Do not adjust the driver's seat when the vehicle is moving as the seat could move suddenly causing the driver to lose control.

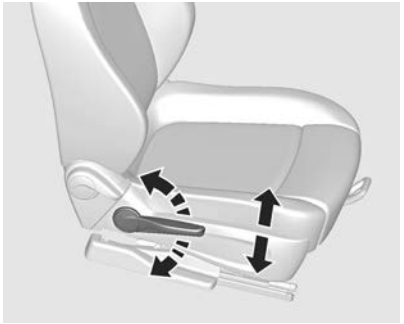


1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.



1. Recline the seatback by pulling the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note
Do not lean on the seat when adjusting.



- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Rear seats

Folding down rear seatbacks

⚠Danger

Ensure the rear seatbacks are securely in place.

Do not press the release button on the top of the seatback while the vehicle is moving. This could cause damage or injuries to the occupants.

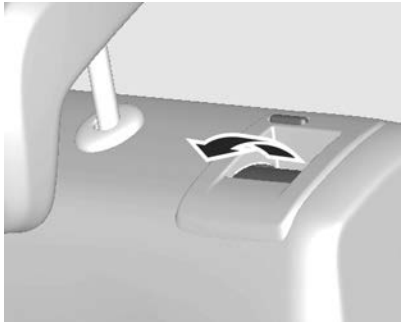
Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Unrestrained luggage or passengers on a folded seatback could be thrown within or ejected from the vehicle in a sudden stop or accident.

Caution

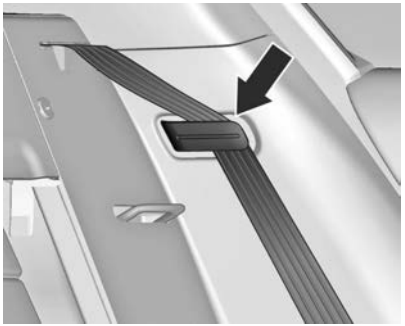
Do not trap the seat belt when returning the seatback to the upright position.

To fold the rear seatbacks down:

1. Unbuckle the seat belts.
2. Push the head restraints down by pressing the catch.
3. Slide the front seat forwards.
4. Adjust the front seatback to an upright position.



5. Pull the release lever on top of the rear seatback and fold it forwards and down.



6. Place the seat belts into the belt guides.

To return the seatback to the upright position:

1. Pull the seat belt away from the belt guides.
2. Lift the seatback upwards and push firmly back into place.

Note

- Ensure the seat belts are clear of the latch.
- The centre rear seat belt may lock when raising the seatback. Let the belt retract then extend it.

Seat belts

⚠Warning

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The belts lock during heavy acceleration or deceleration for the safety of the occupants.

Belt force limiters

In the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt tensioners

In the event of a front, side or rear collision of a certain severity, the driver's and/or passengers safety belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts or belt buckles) can trigger the belt tensioners with risk of injury.

When the belt tensioners have been deployed, illuminates on the instrument panel. See Seat belt reminders on page 56.

Triggered belt tensioners must be replaced.

Belt tensioners are only triggered once.

⚠Warning

Do not attach or install objects that may interfere with the operation of the belt tensioners.

Do not make any modifications to belt tensioner components.

Three point belt

Fitting

The belt should not be twisted. It should lie flat and fit firmly across your hips.

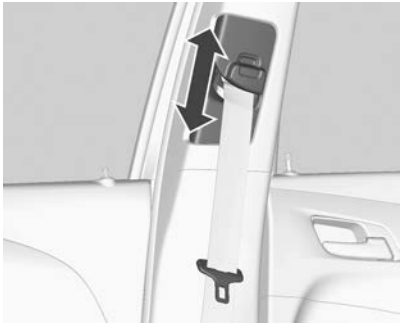
1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Height adjustment



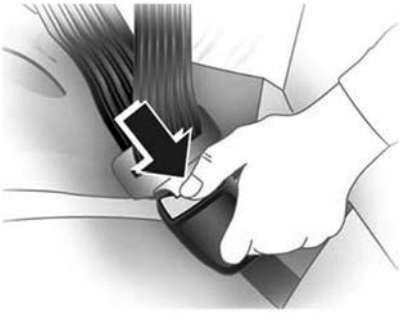
1. Press and hold the button.
2. Move up and down as required.
3. Release the button.
4. Ensure that the anchor clicks into position.

⚠Warning

Do not adjust the belt while driving.

The belt must lie across the shoulder. It must not lie across the throat or upper arm.

Removing



1. Press the red button on the buckle.
2. Allow the belt to retract.
3. Check that if fully retracts without twisting or turning.

   Note
   The three point belt for the rear central seat can only be withdrawn from the retractor if the backrest is in the upright position.

Seat belt use during pregnancy

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Seat belts work for everyone, including pregnant women. Like all occupants, they are more likely to be seriously injured if they do not wear a seat belt.

A pregnant woman should wear a three point belt with the lap portion of the belt worn as low as possible below the rounding of their stomach, throughout the pregnancy.

Seat belt care

⚠Warning

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Replacing seat belts after a crash

⚠Warning

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Airbag system

When triggered, airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Danger

Do not make any modifications to the airbag system.

The driver should sit back as far as possible while still maintaining control of the vehicle. Sitting too close to the airbag, can cause death or serious injury when it inflates.

Always wear a seat belt.

⚠Warning

WARNING – EXTREME HAZARD

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats. See Child restraints on page 40.

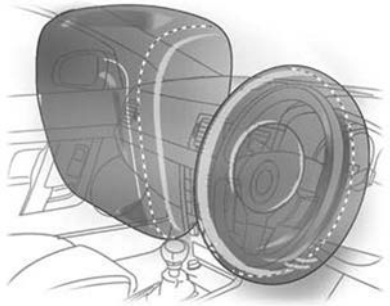
⚠Warning

Airbags are part of the supplemental restraint system (SRS) as they assist, but do not replace seat belts. Airbags do not deploy in every accident. Various factors dictate whether they deploy including speed, angle of collision and object hit. Airbags are not designed to inflate if the vehicle is hit from the rear or is involved in a rollover. Seat belts must be worn by all passengers whenever the vehicle is moving.

Airbags inflate with great force. If you are too close to an inflating airbag it may cause injury.
Seat belts help keep you in position for airbag inflation in the event of a collision.

See Airbag and belt tensioners light on page 56.

Front airbag system



The front airbag system consists of one airbag in the steering wheel and one in the dashboard on the passenger side. These are identified by the word **AIRBAG**.

⚠Warning

The horn pad must not be covered with adhesive or any other material.

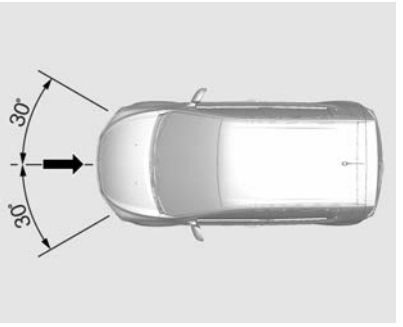
The driver should adjust the seat as far rearward as possible while still maintaining control of the vehicle.

⚠Warning

Do not place any objects on or over the dashboard or between an airbag and yourself.

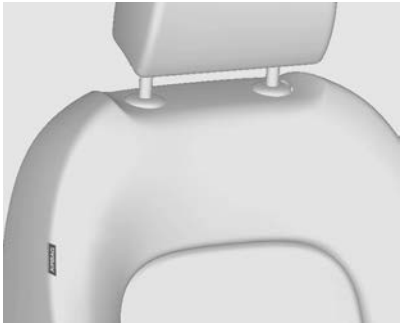
Do not hang anything from the sun visor or mirror.

Passengers must not rest their feet on the dashboard.



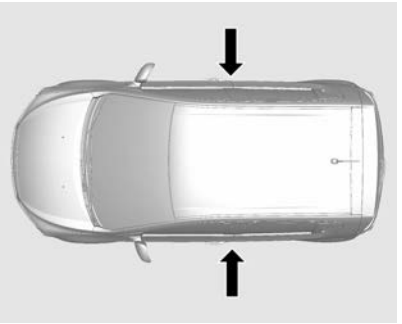
Front airbags will inflate in certain severe frontal or near frontal impacts. Front airbags are not designed to inflate if the vehicle is struck from the side, rear or in rollovers. Always wear a seat belt.

Side airbag system

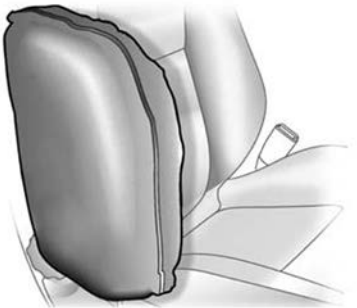


Side airbags are stored in the sides of the front seats.

They can be identified by the word **AIRBAG**.



The side airbags deploy in most, but not all severe side impacts.



The risk of injury to the upper body and pelvis in the event of a side impact is considerably reduced.

⚠Warning

Do not fit unauthorised seat covers as they may impair the deployment of the side airbags.

Do not position your body or any object (including pillows) between front seats and doors.

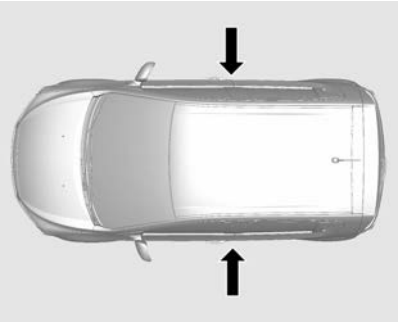
Do not lean on, or sleep against, the door. Always sit centrally in the seat.

Always wear a seat belt.

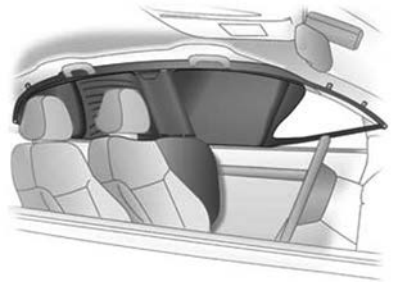
Curtain airbag system

Curtain airbags are stored in the roof on each side of the vehicle.

They can be identified by the word **AIRBAG** on the roof pillars.



The curtain airbags deploy in most, but not all severe side impacts.



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠Warning

Do not position your body or any object (including pillows) in the area in which the airbag inflates.

There must be no objects in the area in which the airbag inflates. Refer to the illustration.

Use the hooks above the doors only to hang up light articles of clothing.

Do not place any objects in the pockets of the hanging items.

Do not hold onto the assist grips (above the doors) while seated in the vehicle.

Do not lean on, or sleep against the front or rear doors. Always sit centrally in the seat.

Always wear a seat belt.

Replacing airbag system parts after a crash

Note
After an accident where airbags have deployed, the systems, associated parts and hardware must be checked and replaced as required.

Seats, associated parts and hardware must also be checked and replaced as required.

The airbag system should also be inspected after an accident if:

- The dashboard area or steering wheel is scratched, cracked or damaged.
- The front seats and upholstery are damaged.
- The headliner or trim panels are damaged.

It is recommended that this work be carried out by a Holden Dealer or approved repairer.

Child restraints

⚠Warning

WARNING – EXTREME HAZARD
Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.
The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.
Remember that it is safest for children to be seated in the rear seats.
Never carry a child while travelling in the vehicle.

⚠Warning

This manual provides you with general information concerning child restraints only.

The driver is required by law to ensure that passengers are suitably restrained. In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints.

Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint is suitable for your child.

⚠Warning

Always ensure that the seat belt fits firmly around the child restraint.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

Selecting the right system

Infants

Rearward facing infant capsules are designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

Young children

Forward facing child seats are for use when the child is able to sit and easily hold their head upright.

Booster seats

Booster seats are for when children outgrow a typical forward facing child seat, but are still too small for three point seat belts.

Older children

A child should use a normal three point seat belt only when:

- They can sit against the back of the rear seat with knees bent comfortably at the edge of the seat.
- The lap belt rests low and snug across the hips, not across the stomach.
- The sash belt is centred on the shoulder and chest.
- They are able to stay seated like this for the entire trip.

Where to put the restraint

⚠Warning

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Only child restraints that have clips to attach to the vehicle's anchorage fittings are to be used. Earlier types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. Only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

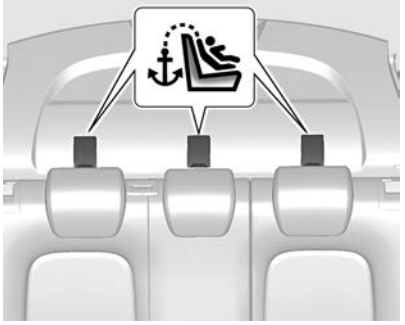
Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passengers seat as far back as it will go. The forward facing child restraint must still be attached to the passenger side child restraint anchorage point, located behind the rear seat.

Remember, it is safest for children to be seated in the rear seat.

Note
If unsure about installing a child restraint, contact an approved restraint fitting station or a Holden Dealer.

Top-tether child restraint systems

A. Front of vehicle (Hatch)



Sedan shown

The child restraint tether anchors are located at the rear of the load compartment (hatch) and at the rear of the head restraints (sedan), in line with the three rear seating positions.

Note
Use the child restraint anchors for their designed purpose only.

Child restraint installation

The vehicle has been designed to accommodate child restraints on the rear seat.

When using a child restraint, read the installation instructions supplied with the child restraint and follow the directions for fitment carefully.

The child restraint system should be secured in conjunction with the vehicle's seat belt.

Secure the child in the restraint in accordance with the manufacturer's instructions.

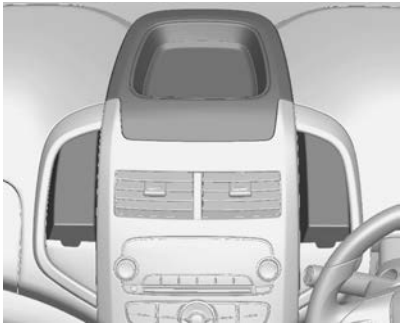
If unsure about installing a child restraint anchor fitting, contact an approved restraint fitting station or a Holden Dealer.

Storage

Storage compartments 44
Additional storage features 46
Loading information 46

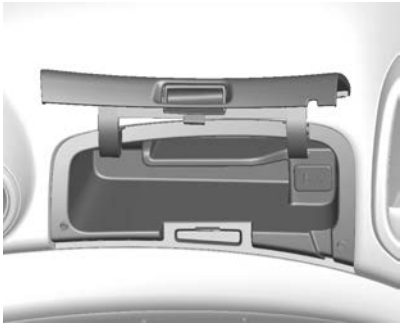
Storage compartments

Instrument panel storage



A storage compartment is located in the centre of the dashboard.

A storage compartment is located in front of the shift lever.



The storage compartment above the glove box has an AUX input and a USB port etc.

To open, lift the lid upwards. To close, push the lid firmly back into place.

See Auxiliary devices on page 90.

Glove box

The glove box is located in the dashboard, in front of the passenger's seat.

To open, pull the handle towards you. To close, push the lid firmly back into place.

⚠Warning

To reduce the risk of injury, always keep the glove box door closed when driving.

Cup holders

Cup holders are located in the front console and rear of the centre console.

⚠Warning

To avoid scalding, never place hot drinks in the cup holders.

Do not place uncovered containers of liquid in the cup holder while the vehicle is in motion.

Additional storage features

Loading information

⚠Danger

Do not stack objects higher than the front seats.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Serious injuries or death can result.

For folding down rear seatbacks, see Rear seats on page 31.

- Place all heavy objects in the load compartment as far forward as possible.
- Secure objects to prevent from sliding.

  Movement of heavy objects in the load compartment may change the handling of the vehicle.
- Ensure the backrests are securely engaged.

- Ensure that all cargo is lower than the rear seat backrests (hatch).
- Place heavier objects at the bottom.
- Do not place any objects on the load compartment cover or the dashboard.
- Do not place unsecured objects in the interior.
- Do not drive with an open tailgate/boot.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity.

  Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Instruments and controls

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Warning lights, gauges and indicators 53
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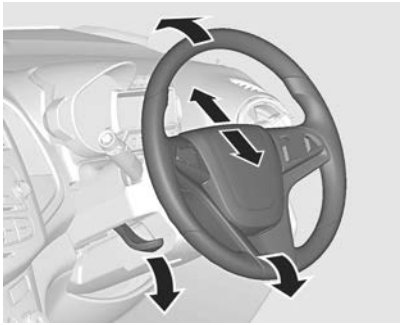
Controls

Steering wheel adjustment

⚠Warning

Do not attempt to adjust the steering wheel while driving.



1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering wheel remote controls

The infotainment system and the cruise control may be operated by the controls on the steering wheel.

See Infotainment system on page 69.

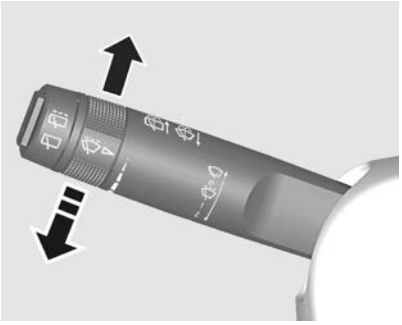
See Cruise control on page 134.

Horn

Press .

Windscreen wiper/washer

Windscreen wiper



To operate the windscreen wipers, turn the ignition on and move the windscreen wiper/washer lever downwards.

Caution
Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

: Mist

O: Off

: Intermittent operation

1: Continuous wipe, slow speed

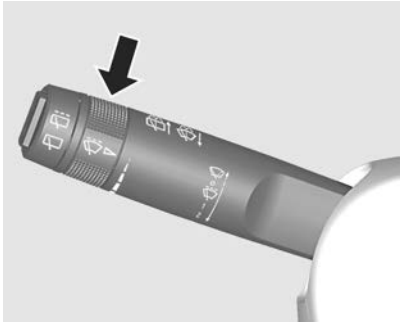
2: Continuous wipe, fast speed

Misting function

To operate the windscreen wipers once during light rain or mist:

- Lightly lift the windscreen wiper/ washer lever up and release.
- The lever returns to its usual position when released.
- The wipers cycle once.

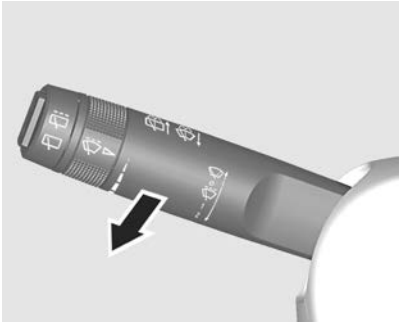
Adjustable wiper interval



During intermittent operation, adjust the frequency of the wiper intervals:

- For frequent intervals, rotate the wheel downwards.
- For longer intervals, rotate the wheel upwards.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Caution

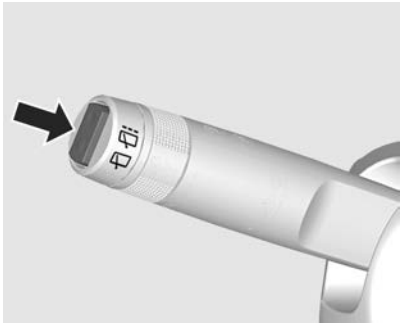
Do not operate the windscreen washer for more than a few seconds or when the washer fluid reservoir is empty.

⚠Warning

Do not spray washer fluid on the windscreen in freezing weather.

Rear window wiper/ washer (Hatch)

Wiper



To operate the rear window wiper, push the switch at the end of the lever.

:Intermittent wipes, push in at the top of the button.

:Continuous wipes, push in at the bottom of the button.

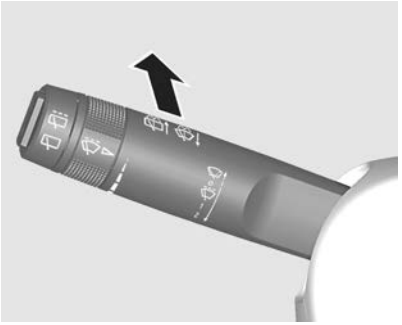
- To turn the wipers off, place the switch in the neutral position.

Caution

Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

Do not operate the windscreen washer for more than a few seconds, or when the washer fluid reservoir is empty.

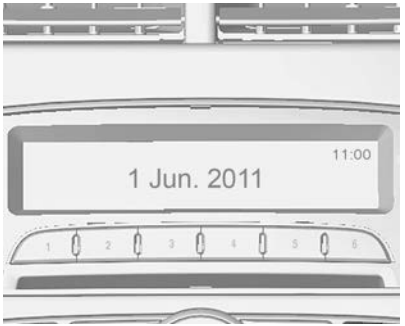
Washer



Push the lever forwards.

Washer fluid is sprayed onto the rear window and the wiper swipes for a few strokes.

Clock



Time and date are shown on the infotainment display.

Adjust the settings for the time in the settings menu.

See Personalisation on page 99.

Power outlet

A 12V power outlet is located in the centre console.

⚠Warning

It is dangerous for the driver of a vehicle to attach or remove accessories from the power socket while driving. It may distract the driver's attention, putting the occupants of the vehicle and other road users at risk.

The power outlet operates when the ignition is turned on or off and is deactivated when any door is opened.

- The power outlet does not operate if the battery voltage is low.
- Do not exceed the maximum power consumption of 120 watts.
- Do not connect electrical charging devices or batteries.

Warning lights, gauges and indicators

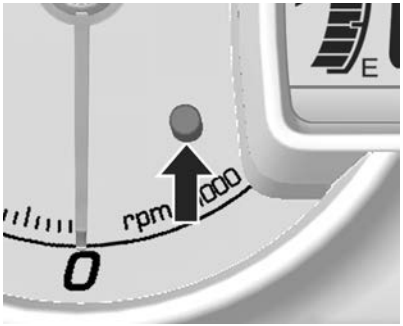
Speedometer

Shows vehicle speed in kilometres per hour (km/h).

Odometer

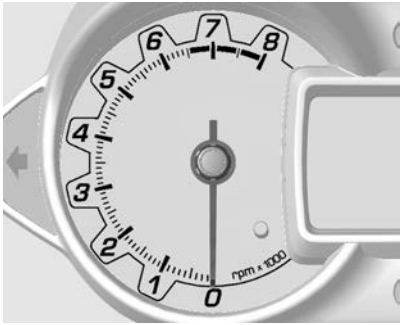
Shows distance travelled in kilometres.

- The trip odometer measures the distance travelled since the odometer was reset.
- Press the reset button briefly to change between odometer, tripmeter and unit set.



To reset the trip odometer to zero, press and hold the reset button for a few seconds.

Tachometer



Shows engine speed in thousands of revolutions per minute (RPM).

Drive at a low engine speed/range for each gear, as much as possible.

⚠Warning

Do not allow the needle to remain in the warning/red zone.

Fuel gauge

Shows the level of fuel in the tank (**E** = empty, **F** = full).

Movement of the fuel within the fuel tank may cause the fuel gauge indicator to move when braking, accelerating or turning.

⚠Danger

Before refuelling, stop the vehicle and switch the engine off.

Service display

Control indicators

The vehicle may have the following indicators.

Indicators illuminate for a short time when the ignition is turned on to show that the light is working.

Red: danger, important reminder

Yellow: warning, information, fault

Green, **blue**, **white**: confirmation of activation

Note
Depending on vehicle variant, the instrument panel appearance may differ.

Transmission display

Indicates the selected gear or transmission mode.

Turn signal

- Push the lever in the same direction the steering wheel is turned.
- ⇦⇨ flashes.

  ⇦⇨ also flashes when the hazard warning is activated.
- The turn signal will self cancel from larger turns.
- If ⇦⇨ flashes quickly, see Bulb replacement on page 151.

See Electrical system on page 157.

See Turn and lane change signals on page 66.

Seat belt reminders

: Driver's seat belt reminder

: Front passenger's seat belt reminder (if occupied)

When the ignition is turned to the ON position:

- or illuminates until the seat belt is fastened.

When the engine is running:

- or flashes for 100 seconds then illuminates until the seat belt is fastened.

If the vehicle reaches a specific distance or speed and the seat belt is unfastened, or will flash and the chime will sound for 100 seconds, or until the seat belt is fastened.

See Three point belt on page 34.

Airbag and belt tensioners light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light does not illuminate, does not extinguish after few seconds or illuminates while driving, there is a problem with the airbag or belt tensioner system.

⚠Warning

Have any fault in the airbag or belt tensioner system repaired immediately by a Holden Dealer.

See Airbag system on page 36.
See Belt tensioners on page 33.

Charging system light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, there is a problem with the charging system:

1. Stop and switch off the engine.
2. Contact a Holden Dealer.

Malfunction indicator light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while driving, there is a problem with the emission monitoring system. Contact a Holden Dealer.

Service vehicle soon light

The light illuminates when the vehicle requires a service.

Have the vehicle checked by a Holden Dealer immediately.

See Vehicle messages on page 61.

Brake system warning light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light does not extinguish or illuminates while driving and the park brake is released, there is a problem with the brakes:

- Stop the vehicle as soon as it is safe to do so.
- Check the brake fluid level. See Brake fluid on page 149. See Park brake on page 132.
- Do not proceed until satisfied that braking is possible or that the cause of the problem has been repaired.
- If necessary contact a Holden Dealer.

⚠Warning

Do not drive while the brake system warning light is on.

Antilock Brake System (ABS) warning light

The (ABS) warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the (ABS) warning light illuminates, there is a problem in the ABS.

Note
The vehicle's brake system remains operational but without ABS assistance. See Antilock Brake System (ABS) on page 131.

Contact a Holden Dealer.

Up-shift light

SHIFT illuminates to indicate when to shift to the next higher gear for best fuel economy.

See Manual transmission on page 130.

Electronic Stability Control (ESC) light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

If the light flashes while driving, the ESC is actively helping the vehicle with road grip and stability.

If the light illuminates or does not extinguish while driving, contact a Holden Dealer immediately.

Electronic Stability Control (ESC) off light

The OFF indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

OFF illuminates when the ESC is deactivated.

For more information, see Electronic Stability Control (ESC) on page 133.

Traction Control System (TCS) off light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

illuminates when the TC is deactivated.

Engine temperature warning light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the light illuminates while driving, the engine coolant temperature is excessively hot:

- Stop the vehicle as soon as it is safe to do so.
- Let the engine idle for a few minutes.
- If the light remains on, contact a Holden Dealer.

⚠Warning

Do not continue driving with the temperature gauge needle in the red area. The engine is too hot.

Continued operation of an overheated engine will result in severe engine damage.

Engine oil pressure light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, the engine oil pressure or level is low:

- Stop the vehicle as soon as it is safe to do so.
- Turn the ignition off and remove the key.
- Check the engine oil level. See Engine oil on page 144.
- If necessary, contact a Holden Dealer.

Caution

Engine damage may result if you keep driving. Do not run the engine. If the oil level is normal, have the system checked by the nearest Holden Dealer.

Low fuel warning light

The indicator light illuminates when the fuel level is low:

Caution

To avoid damage to the catalytic converter, fill the fuel tank above the low fuel level.

See Catalytic converter on page 124.

Immobiliser light

The indicator light illuminates when there is a fault in the immobiliser system.

The engine cannot be started.

Contact a Holden Dealer.

High beam light

The ≡D indicator light illuminates when headlamp high beam is on.

See Headlamp high/low beam on page 65.

Tail lamp light

The ⫸⫷ indicator light illuminates when the tail lamps are on.

See Exterior lamp control on page 65.

Cruise control light

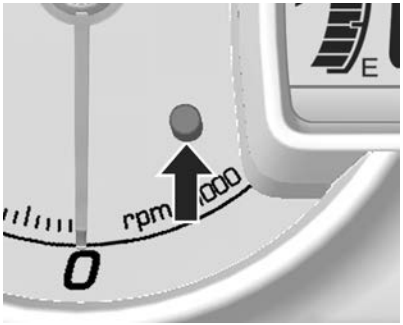
The ⏲ indicator light illuminates white when the system is on and green when cruise control is activated.

See Cruise control on page 134.

Door ajar light

The ⍝ warning light illuminates when any of the doors or the tailgate/boot are not completely closed.

Information displays



Each time the reset button is pressed, the mode changes:

- Odometer
- Tripmeter
- Unit setting

Unit setting

To change the unit setting:

1. Press the reset button for a few seconds.
2. Press the reset button briefly to select from the following:

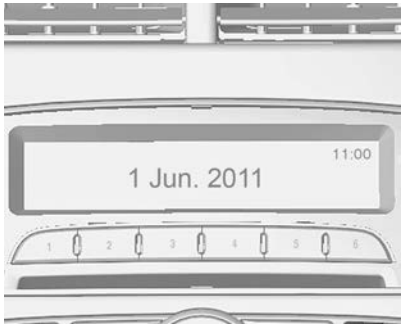
   1: MPH, °C

   2: MPH, °F

   3: km/h, °C
3. Press the reset button for a few seconds to confirm.

   A chime sounds.

Infotainment system



Displays the date, time and infotainment system information.

When the infotainment system is on, personalised settings are displayed.

See Personalisation on page 99.

Vehicle messages

Messages are displayed on the instrument panel or audible as a warning chime.

Not all messages are displayed on all vehicles.

Settings can be changed in the personalisation menu. See Personalisation on page 99.

Warning codes

Some vehicle messages are displayed with code numbers.

Caution
Whenever a coded vehicle message is displayed, contact a Holden Dealer.

No.	Vehicle message
15	High mounted brake lamp failure
16	Service brake lamps
18	Left low beam failure
20	Right low beam failure
21	Left front lamp failure
22	Right front lamp failure
23	Reversing lamp failure
24	License plate lamp failure
25	Left front turn indicator failure
26	Left rear turn indicator failure
27	Right front turn indicator failure
28	Right rear turn indicator failure
84	Engine power is reduced

Warning chimes

Warning chimes may be heard when starting the engine or while driving:

- If a seat belt is not fastened.
- If a certain speed is exceeded while the park brake is applied.
- If a warning code appears on the instrument panel.

Warning chimes may be heard when the vehicle is parked and/or a door is opened:

- When the key is in the ignition switch/lock.
- When the exterior lamps are on.

Vehicle personalisation

The settings can be personalised using the infotainment system controls.

Note

Depending on the vehicle variant, some of the following functions may not be available.

When the infotainment system is on:

- Press **CONFIG**.

  Setting menu is displayed.
- To change the settings, rotate **MENU•TUNE**.
- To make a selection, press **MENU•TUNE**.
- To return to the previous screen, press ⇦**BACK**.

The following menus can be displayed:

- Languages
- Time date
- Radio settings
- Bluetooth® settings
- Vehicle settings

Languages settings

Only English may be selected.

Time and date settings

See Personalisation on page 99.

Radio settings

See Radio on page 77.

Bluetooth® settings

See Bluetooth® phone on page 101.

Vehicle settings

- **Comfort settings**

  Chime volume: Change the volume of the warning chime.

  Rear auto wipe in reverse: Activate or deactivate the rear wiper while in reverse gear.
- **Exterior ambient lighting**

  Duration upon exit of vehicle: Activate or deactivate the exit lighting and change the lighting duration.
- **Power door locks**

  Auto door unlock: Activate or deactivate the auto door unlocking function after switching off the ignition.

  Unlock only the driver's door or all doors.

  Auto door lock: Activate or deactivate the auto door locking function, to occur after driving off.

Stop door lock if door open: Activate or deactivate the driver's door lock when the door is open.

If deactivated is selected:

Delayed door lock: Activate or deactivate the delayed door lock.

When pressing the central locking button on the instrument panel, three chimes are heard to signal delayed locking is in use. This function will delay the locking of the doors until five seconds after the last door is closed.

- **Remote locking, unlocking, starting**

  Remote unlock feedback: Activate or deactivate the light feedback while unlocking.

  Remote lock feedback: Activate or deactivate the lights and/or horn feedback while locking.

  Remote door unlock: Change the configuration to unlock only the driver's door or all doors while unlocking.

  Auto relock doors: Activate or deactivate door locking, when a door is unopened after unlocking.

Restore factory settings

All settings are restored to initial settings.

Lighting

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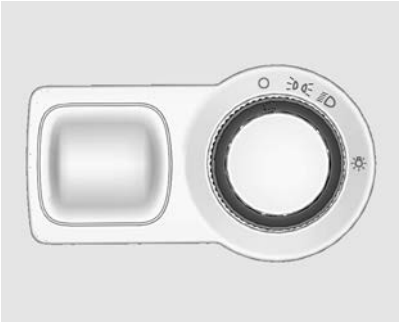
Exterior lighting

Exterior lamp control

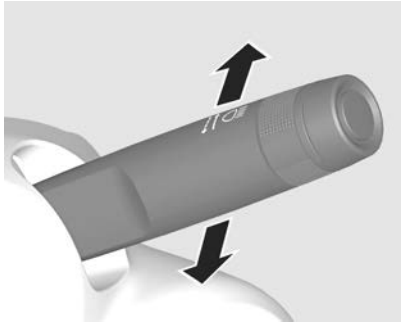


O (OFF): Rotate to turn all lamps and lights off.

(Park lamps): Turns on the park lamps, number plate lamps and instrument panel lights.

(Headlamps): Turns on the headlamps and all park lamps.

Headlamp high/low beam



To activate high beam:

1. Turn the headlamps on.
2. Push the lever forwards.

   The high beam indicator lamp illuminates on the instrument panel.

To return to low beam:

1. Pull the lever rearwards.

⚠Warning

Always switch the headlamps to low beam when vehicles are approaching or when following another vehicle.

To flash the high beam lamps:

1. Pull the lever towards the rear of the vehicle and release.

   The lamps stay on for as long as the lever is held.

Hazard warning flashers

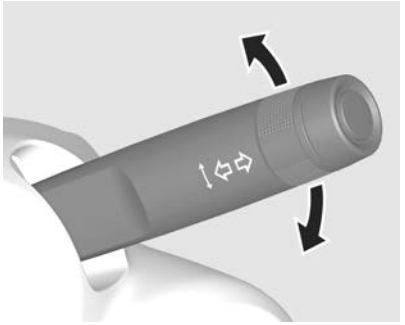
Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

All turn signals flash continuously.

Use the hazard warning flasher if the vehicle becomes a traffic hazard, day or night.

Note
Using hazard warning flashers while the vehicle is moving, is illegal in some States and Countries.

Turn and lane change signals



1. Push the lever in the direction the steering wheel is turned.

   A green arrow on the instrument panel flashes when the lamps are in operation.

For three flashes, e.g. when changing lanes:

1. Push the lever until the point of resistance, then release.

Reversing lamps

The reversing lamps illuminate when the ignition is on and reverse gear is engaged.

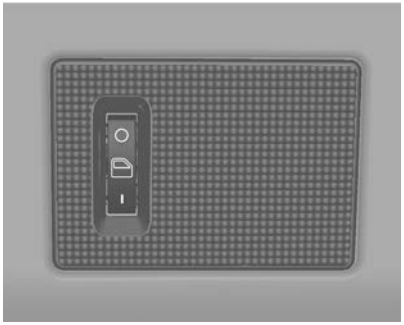
Misted lamp covers

Caution
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Interior lighting

Interior lamps

Courtesy lamp



Press the rocker switch:

O (Off): Remains off when doors are opened or closed.

: Automatically switches on when a door is opened and turns off after doors are closed.

l (On): Remains on when doors are opened or closed.

Note

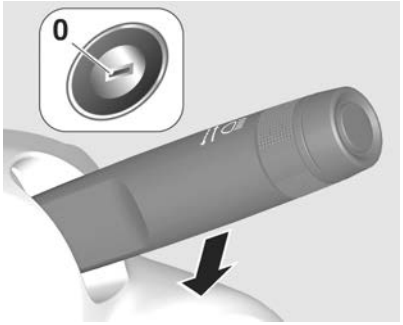
To prevent the battery from discharging, turn the lamp off when the engine is not running.

⚠Warning
Do not leave the courtesy lamp on while driving in the dark.

Lighting features

Exit lighting

Set the headlamps, side lamps and tail lamps to illuminate the way, after leaving the vehicle.



1. Switch the ignition off.
2. Remove the ignition key.
3. Open the driver's door.
4. Pull the turn signal lever rearwards.
5. Close the driver's door.

Note

- The lighting is switched off immediately if the turn signal lever is pulled a second time while the driver's door is open.
- Activation, deactivation and duration of lighting can be changed in the vehicle settings. See Vehicle personalisation on page 62.

Infotainment system

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USB port 92
Bluetooth® music 97
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Introduction

General information

Do the following before driving:

- Read the infotainment system section to become familiar with the functions.
- Set up the audio by presetting favourite stations, setting the tone and adjusting the speaker settings.

About the system

⚠Warning

When driving the vehicle, be sure to keep the volume of the unit set low enough to hear sounds from outside the vehicle (e.g. road and traffic conditions).

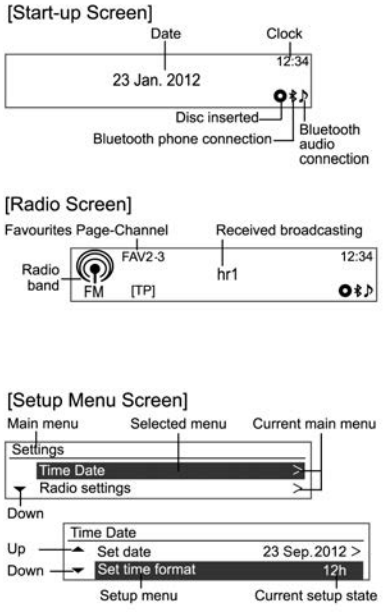
Caution

Do not place beverages close to the audio system.

Do not strike or allow anything to impact the audio system.

Damage to the system mechanisms could occur.

Screen display

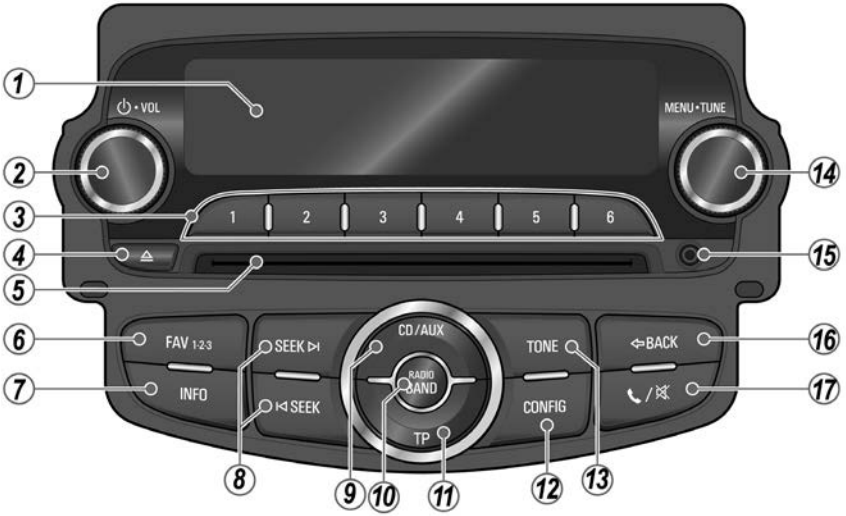


The screen display may vary depending on the vehicle specification.

Theft-deterrent feature

The infotainment system is equipped with an electronic security system for the purpose of deterring thefts.

Overview

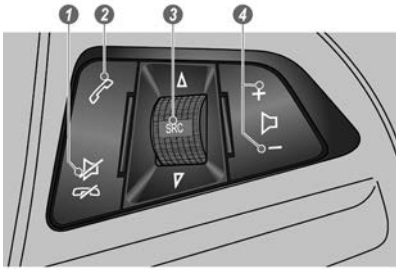


The following are the main buttons and controls for the radio, CD/MP3, AUX, USB, iPod® and Bluetooth®.

1. Information display
2. Power/volume/mute button with control
3. Preset buttons 1 to 6 (radio/CD/USB)
4. CD eject button
5. CD slot
6. Favourite selection button (radio)
7. Information display button (CD/MP3/USB/iPod®) (radio where supported)
8. Seek buttons (radio/CD/MP3/USB/iPod®/ Bluetooth® music)
9. CD/AUX button (CD/AUX/MP3/USB/iPod®/ Bluetooth® music)
10. Band selection button (radio/iPod®)
11. Clock button

12. Configuration button
13. Tone button
14. Menu-tune button with control
15. Auxiliary port
16. Back button
17. Phone/mute button

Steering wheel remote controls



1. Mute/hang up button:

   Mute: Press when the power is on.

   Bluetooth®: Press to reject calls.
2. Call button:

   Press to answer the call or enter the redial selection mode.

   Press and hold to enter the dialled call log or to move back and forth from hands-free mode and private call mode during a call.
3. Source button/control:

   Press to select another audio source.

   Rotate to change the radio station or change the track being played.
4. Volume buttons:

   Press **+** to increase the volume.

   Press **–** to decrease the volume.

Operation

Power on/off

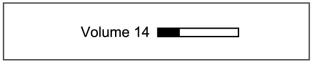
- To turn the audio system on, press ⏻ • **VOL** (2).

  The previous mode will be displayed (Bluetooth® audio may not display).
- To turn the audio system off, press ⏻ • **VOL** (2).

Note

While the ignition is off, if the audio system is turned on by pressing ⏻ • **VOL** (2), it will automatically turn off after 10 minutes, from the last operation.

Volume control



- To adjust the volume, rotate ⏻ • **VOL** (2).

  Alternatively, press + or – on the steering wheel remote controls.
- The sound volume is indicated on the display.
- When turning the audio system on, the volume level will be set to its previous selection (when it is less than the maximum starting volume). Refer to Radio settings on page 101.

Auto volume control

The audio system volume adjusts depending on the vehicle's speed.

As the vehicle's speed increases, the volume of the audio system also increases to compensate for the driving noise. See Radio settings on page 101.

Volume limit by high temperature

If the inside temperature of the audio system is very high, the maximum volume will be limited.

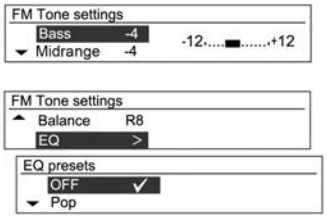
If necessary, the volume may automatically decrease.

Tone settings

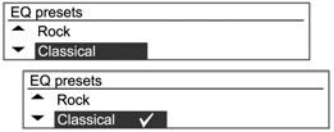
Select and adjust the sound setup mode. Settings can be set up differently for each function (radio, CD, USB or iPod®).

Tone setup menu

- Bass: Adjust the bass level from -12 to +12.
- Midrange: Adjust the midrange level from -12 to +12.
- Treble: Adjust the treble level from -12 to +12.
- Balance: Adjust the left/right speaker balance from left 15 to right 15.
- EQ (Equaliser): Select or turn off the sound style (OFF ↔ Pop ↔ Rock ↔ Classical ↔ Talk ↔ Country).



1. Press **TONE** (13).
2. Rotate **MENU•TUNE** (14) to make a selection.
3. Press **MENU•TUNE** (14) to confirm.



To select the tone control value:

4. Rotate **MENU•TUNE** (14) .
5. Press **MENU•TUNE** (14) to confirm.

Select function

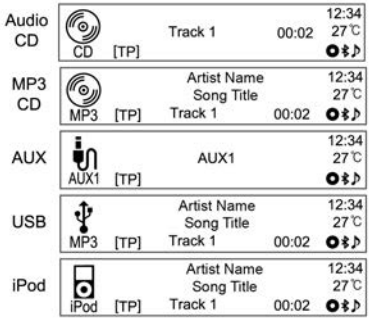
FM/AM radio

To select between FM and AM stations:

1. Press **RADIO BAND** (10) .
2. Press **MENU•TUNE** (14).

   The FM/AM menu is displayed.

CD/MP3/USB/iPod®/Bluetooth® audio or (AUX) input

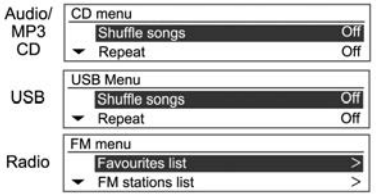


1. Repeatedly press **CD/AUX** (9) to select another audio source.

   The mode changes in the following order:

   CD/MP3 → AUX → USB or iPod, Bluetooth audio → CD/MP3 →....

   Alternatively, press **SRC** on the steering wheel remote controls to select a different mode.



2. Press **MENU•TUNE** (14).
   The menu options for the current device are displayed (except Bluetooth® audio).

Bluetooth® hands-free phone device

To select Bluetooth® phone mode:

1. Press ✆/🔇 (17).

To display Bluetooth® options for the relevant function:

2. Press ✆/🔇 (17)

Radio

AM-FM radio

Main buttons and controls:

Preset buttons

- Press and hold any preset button **1** to **6** (3) to add the current radio station to the favourites page.
- Press a button to select the radio station linked to the preset.

Favourite button

- Press **FAV1-2-3** (6) to move through the pages of saved favourite radio stations.

Information button

- Press **INFO** (7) to view radio station information (where supported).

Seek buttons

- Press I◁SEEK▷I (8) to automatically search for available radio stations.
- Press and hold the button to continue seeking radio stations. Release the button to stop seeking.

Radio band button

- Press **RADIO BAND** (10) to toggle between FM or AM radio.

Menu-tune button with control

- Press **MENU•TUNE** (14) to access the menu screen when in another mode.
- Rotate to manually search for a radio frequency.

Back button

- Press ⇦**BACK** (16) to cancel input content or return to the previous menu.

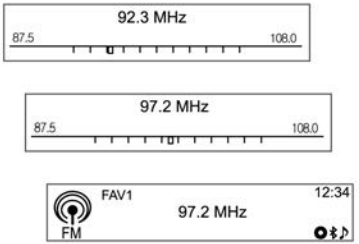
Listening to a radio station

Searching for radio stations

- To toggle between FM and AM, press **RADIO BAND** (10) repeatedly.

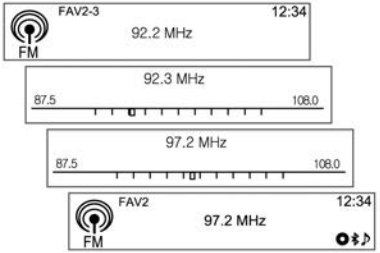
  The previously chosen broadcasting station will be received.

Automatic station search



- To automatically search for available radio stations with clear reception, press I◁SEEK▷I (8).

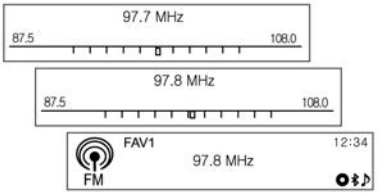
Seeking



To quickly search for a radio station:

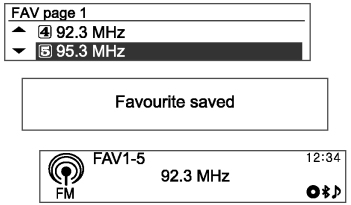
1. Press and hold I◁SEEK▷I (8).
2. Release the button when the radio station is reached.

Searching for a radio station manually



- To manually search for a radio station, rotate **MENU•TUNE** (14).

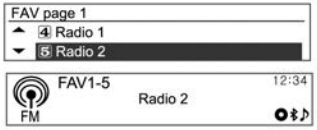
Using the preset buttons



- To select a saved favourite page, press **FAV1-2-3** (6).
- To select the radio station to be added to a favourites page, press and hold a preset **1** to **6** (3).

  Up to six favourite pages can be saved and each page can store up to six radio stations.
- The number of favourite pages may be setup in Radio favourites. See Radio settings on page 101.
- If a new radio station is to be added to a preset (**1**-**6**) (3) which has an existing radio station linked to it, the previous radio station will be deleted and replaced with the new radio station.
- When adding an FM station, wait 5 seconds after the frequency is selected to allow RDS information (if available) to display, before storing to a preset.

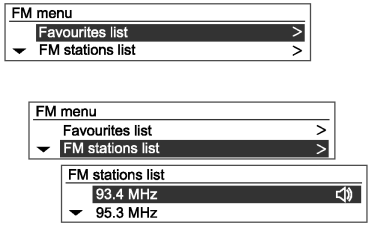
Listening using a preset



- To select a favourite preset page, press **FAV1-2-3** (6) repeatedly.

  Information for the selected favourite preset page will be displayed.
- To listen to the radio station saved to the preset, press a preset (**1**-**6**) (3).

Using the radio menu



To display the radio menu:

1. Press **MENU•TUNE** (14).

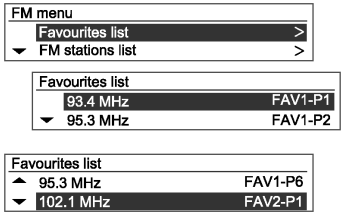
To scroll through the menu:

2. Rotate **MENU•TUNE** (14).

To make a selection or to display the menu:

3. Press **MENU•TUNE** (14).

Choosing the favourites list

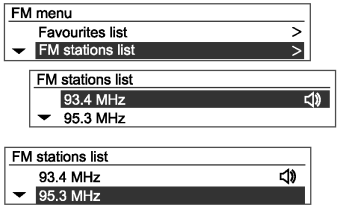


When in the FM/AM menu:

1. Rotate **MENU•TUNE** (14) to scroll to the Favourites list.
2. Press **MENU•TUNE** (14).

   The Favourites list information will be displayed.
3. Rotate **MENU•TUNE** (14) to scroll through the Favourites list.
4. Press **MENU•TUNE** (14) to select and listen to that radio station.

Choosing FM/AM station list

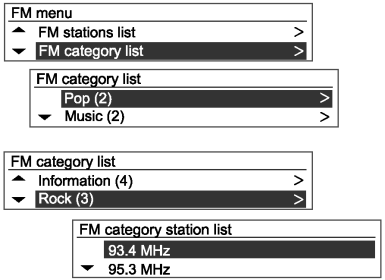


When in the FM/AM menu:

1. Rotate **MENU•TUNE** (14) to scroll to the FM/AM stations list.
2. Press **MENU•TUNE** (14).

   The stations list information is displayed.
3. Rotate **MENU•TUNE** (14) to scroll through the radio stations.
4. Press **MENU•TUNE** (14) to select and listen to that radio station.

Choosing FM category list



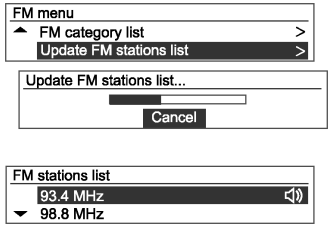
When in the FM menu:

1. Rotate **MENU•TUNE** (14) to scroll to the FM category list.
2. Press **MENU•TUNE** (14).

   The FM category list will be displayed.
3. Rotate **MENU•TUNE** (14) to scroll through the list.
4. Press **MENU•TUNE** (14).

   The FM category station list will be displayed.
5. Rotate **MENU•TUNE** (14) to scroll to a radio station.
6. Press **MENU•TUNE** (14) to select and listen to that radio station.

Choosing update FM/AM stations list



When in the FM/AM menu:

1. Rotate **MENU•TUNE** (14) to scroll to the Update FM/AM stations list.
2. Press **MENU•TUNE** (14).

   The FM/AM stations list updates.

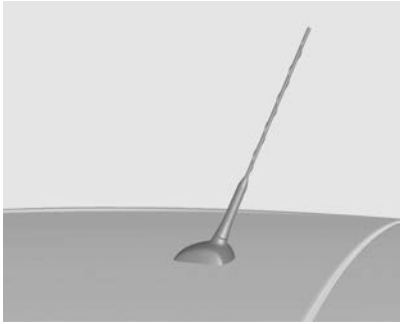
   During the update, press **MENU•TUNE** (14) or ⇦**BACK** (16) to stop saving changes and to Cancel.

Radio Data System (RDS)

RDS encodes information on the system's FM frequency only.

- When tuned to an RDS station, the station name is displayed.
- Many radio stations transmit RDS information but not all, so it is possible that this feature does not operate in some regions or on some stations.
- While listening to an RDS radio station, press **INFO** (7) to view RDS broadcasting information.

Fixed mast antenna



- To remove the roof antenna, rotate it anticlockwise.
- To install the roof antenna, rotate it clockwise.

  Tighten and adjust to the upright position to ensure proper reception.

Caution

Remove the antenna before entering an area with a low ceiling or an automatic car wash.

Damage may occur to the antenna or the roof panel.

Audio players

CD player

General information

Caution

If a label is added to a CD, or more than one CD is inserted into the slot at a time or an attempt is made to play scratched or damaged CDs, the CD player could be damaged.

Use only CDs in good condition without any labels, load one CD only and keep the CD player and the loading slot free of foreign materials, liquids and debris.

If a description label is required, write on the top of the CD with a CD marking pen.

Caution

Avoid inserting any foreign objects into the slot of the player.

Failure to observe this may cause malfunction.

CD-R format

Sound quality may be reduced due to:

- Method of recording
- Recording quality
- CD handling

Handling CDs

- Avoid leaving fingerprints on the CD when removing it.
- Store any CDs in their protective covers.
- Ensure that CDs are clean and dry before inserting.
- Protect CDs from heat and direct sunlight.
- Insert the disc with the printed side facing up.

Audio system care

Do not clean using cleaning fluid, alcohol or other solvents. Use only a damp cloth.

CD/MP3

Main buttons and controls.

Eject button

1. Press ⏏ (4) to eject a disc.

Information button

1. Press **INFO** (7) to view file information for the track being played.

Seek buttons

1. Press I◁SEEK▷I (8) to play the previous or next track.
2. Press and hold to fast rewind/ fast forward through the currently playing tracks.

CD/AUX buttons

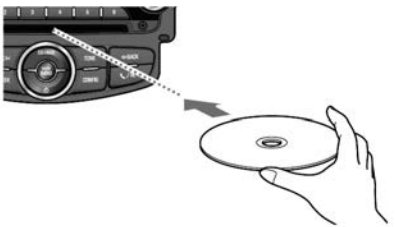
1. Press **CD/AUX** (9) to select a CD/MP3 player.

Menu-tune button with control

1. Press **MENU•TUNE** (14) to display the current selection or current mode.
2. Rotate to scroll through the track list, menu or MP3 (WMA) track information.

See Overview on page 71.

Inserting a disc



1. Insert the disc with the printed surface facing upwards.

2. Track 1 will play automatically.

   Note
   A non-readable disc will automatically be ejected and a disc error message will be displayed. The audio system will switch to the previously used mode or FM radio.

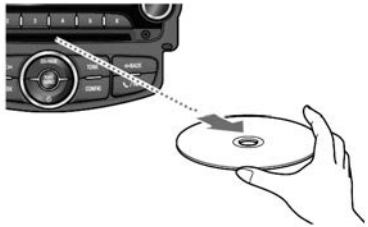
To play a CD when in a different mode:

1. Repeatedly press **CD/AUX** (9).

   Note

   If there is no disc inserted and no other devices are connected, **No CD inserted** will be displayed.

Ejecting a disc

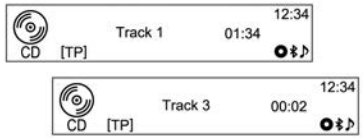


1. Press △ (4).
2. Remove the disc.

   The previously used mode or FM radio plays.

   Note
   The disc will automatically reinsert if it is not removed.

Change a playing track



To play the previous or next track:

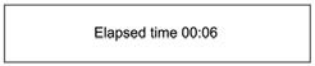
1. Press I◁SEEK▷I (8) during play.

   Alternatively, rotate **SRC** on the steering wheel remote controls.

Alternatively:

1. Rotate **MENU•TUNE** (14) to scroll to the track list.
2. Press **MENU•TUNE** (14) to select and play a track.

Change playing position



1. Press and hold I◁SEEK▷I (8) during play to rewind or fast-forward through a track.
2. Release the button to resume playing at normal speed.

   The elapsed time is displayed.

View information

To view information on the current audio CD track:

1. Press **INFO** (7).

   If no information is available, **No information** will be displayed.

To view more information on the current MP3 (WMA) track:

1. Rotate **MENU•TUNE** (14) while the track information is displayed.

   Note

   The information displayed includes the file name, folder name and ID3 Tag information saved with the track.

   If incorrect ID3 Tag information (e.g. artist, song title) was added to the MP3 (WMA) file before burning to disc, this information will be displayed.

Incorrect ID3 Tag information cannot be modified or corrected on the audio system.

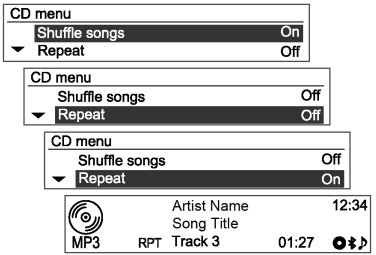
Information for tracks shown in symbols or in unavailable languages may be displayed as ---- or are not displayed at all.

Using the CD menu

Shuffle and repeat

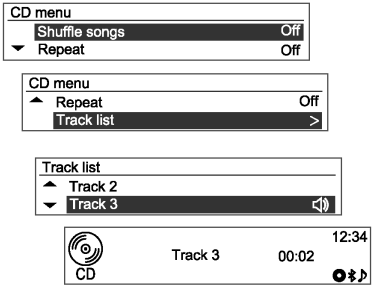
During play:

1. Press **MENU•TUNE** (14) to display the CD menu.



2. Rotate **MENU•TUNE** (14) to select shuffle or repeat.
3. Press **MENU•TUNE** (14) to turn on or off.

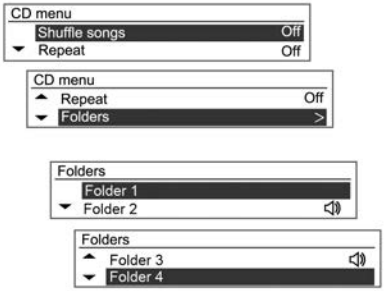
Track list



Audio CDs during play:

1. Press **MENU•TUNE** (14) to display the CD menu.
2. Rotate **MENU•TUNE** (14) to scroll to Track list.
3. Press **MENU•TUNE** (14) to select Track list.
4. Rotate **MENU•TUNE** (14) to select a track.
5. Press **MENU•TUNE** (14) to play the selected track.

Search folders

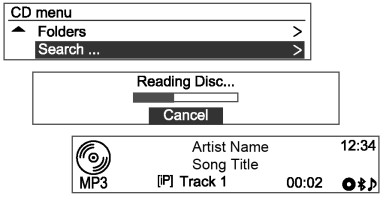


MP3 (WMA) CDs during play:

1. Press **MENU•TUNE** (14) to display the CD menu.
2. Rotate **MENU•TUNE** (14) to scroll to folders.
3. Press **MENU•TUNE** (14) to select folders.
4. Rotate **MENU•TUNE** (14) to scroll through the folders.
5. Press **MENU•TUNE** (14) to select the folder.

6. Rotate **MENU•TUNE** (14) to select a track.
7. Press **MENU•TUNE** (14) to play the selected track.

Search CD



MP3 (WMA) CDs during play:

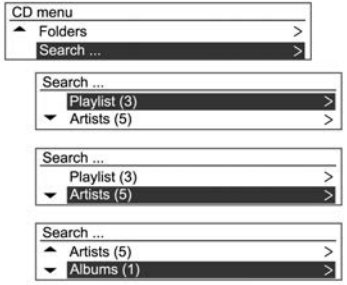
1. Press **MENU•TUNE** (14) to display the CD menu.
2. Rotate **MENU•TUNE** (14) to scroll to Search.
3. Press **MENU•TUNE** (14).

   The first song of the playlist [iP] will be displayed.

   If there are no music files in the playlist [iP], the first song for each artist [iA] will be displayed.

Note

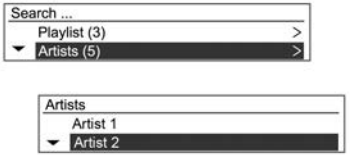
It may take a while to read the disc depending on the number of music files.



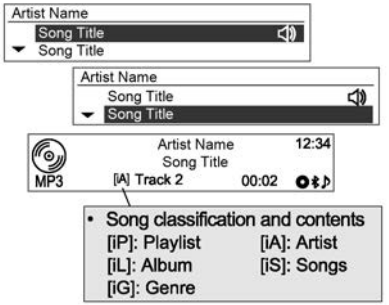
4. Press **MENU•TUNE** (14) when the search items are displayed.
5. Rotate **MENU•TUNE** (14) to scroll.

   The number of songs will be displayed by:

   Playlist [iP], Artists [iA], Albums [iL], Songs [iS] or Genre [iG].
6. Press **MENU•TUNE** (14) to select.



7. Rotate **MENU•TUNE** (14) to scroll.
8. Press **MENU•TUNE** (14) to make a selection.



9. Rotate **MENU•TUNE** (14) to find a track.
10. Press **MENU•TUNE** (14) to play the selected track.

Auxiliary devices

AUX input

Main buttons and controls:

CD/AUX buttons

1. Press **CD/AUX** (9) repeatedly when an AUX device is connected to select AUX input mode.

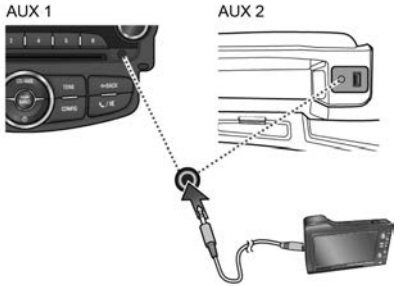
Power/volume/mute button

- Rotate ⏻ • **VOL** (2) to adjust the volume.

See Overview on page 71.

Connecting an audio device

Connect the audio output of the audio device to the AUX input terminal AUX 1 or AUX 2.



The audio system will automatically switch to AUX mode when the device is connected.

- If the AUX device is already connected, press **CD/AUX** (9) to select.

USB player

Cautions when using USB devices

- Operation cannot be guaranteed if a HDD USB mass storage device, or a CF or SD memory card is connected by using a USB adaptor. Use a USB flash memory type storage device.
- Avoid static electricity when connecting or disconnecting the USB. Avoid connecting and disconnection over a short time.
- To remove the USB device, see Removing the USB on page 94 by rotating **MENU•TUNE** (14).
- Avoid touching the USB connecting terminal with any objects or fingers.
- The USB storage device can only be recognised when it is formatted in FAT16/32 file format.
- This product displays MP3 (WMA) files with the mp3, .wma or .MP3 or .WMA file name extensions.

- Depending on the type and capacity of the USB storage device and the type of stored files, the time it takes to recognise the files may differ.
- Do not disconnect the USB storage device while it is being played.

  This may damage the product or affect the performance of the USB device.
- Disconnect the USB storage device when the vehicle is turned off. If the ignition is turned on while the USB storage device is connected, the device may become damaged or may not operate normally in some cases.
- Damaged music files may be cut-off during playback or may not be played at all.
- A maximum of 64 characters can be recognised for folder or file names.

Caution

USB storage devices can only be connected to this product for the purpose of playing music files.

The USB port should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the product.

- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This product can support USB storage devices that are up to 16 Gigabytes in capacity with a limit of 999 files, 512 folders and 10 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit.

USB port

General information

A USB stick or iPod® can be connected to the USB/iPod® port.

⚠Warning

Do not connect devices such as; hard discs, multi plug USB hubs or other digital equipment to the USB/iPod® port.

Connecting other devices can cause malfunction or destroy the audio equipment.

Do not use any equipment that prevents safe driving.

Caution

In rare cases, a USB stick (thumb drive) may not be recognised by the system or may cause a malfunction.

USB

Main buttons and controls:

Information button

1. Press **INFO** (7) to view file information for the track being played.

Seek buttons

1. Press I◁SEEK▷I (8) to play the previous or next track.
2. Press and hold to fast rewind/ fast forward through the currently playing tracks.

CD/AUX buttons

1. Press **CD/AUX** (9) repeatedly when a USB device is connected to select USB play mode.

Menu-tune button with control

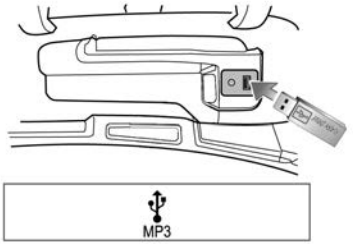
1. Press **MENU•TUNE** (14) to display the current selection or current mode.
2. Rotate to scroll through the track list, menu or MP3 (WMA) track information.

Back button

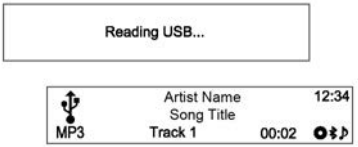
1. Press ⇦**BACK** (16) to cancel input content or return to the previous menu.

See Overview on page 71.

Connecting a USB device



1. Open the cover located above the glove box.
2. Connect the USB to the USB port.



Note

- Once reading of the USB is complete, it will play automatically.
- If a non-readable USB is connected, an error message will be displayed and the previously used mode or FM radio will play.
- If the USB to be played is already connected, repeatedly press **CD/ AUX** (9) to select USB. Play will begin from where it previously finished.

Using the USB menu

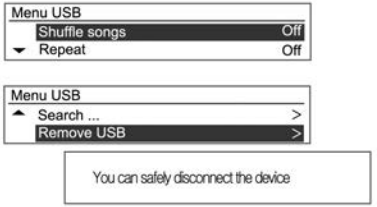
The USB menu operation is similar to the CD menu operation.

To shuffle and repeat tracks, select tracks, search folders and search the device using the USB menu, see Using the CD menu on page 87.

Disconnecting a USB device

1. Press the **RADIO BAND** (10) or **CD/AUX** (9) to select another mode.

Removing the USB



1. Press **MENU•TUNE** (14) to display the USB menu.
2. Rotate **MENU•TUNE** (14) to scroll to Remove USB.
3. Press **MENU•TUNE** (14).

   You can safely disconnect the device is displayed.

4. Remove the USB device.

   The audio system will switch to the previously used mode or FM radio.

iPod®

Information button

1. Press **INFO** (7) to view file information for the track being played.

Seek buttons

1. Press I◁SEEK▷I (8) to play the previous or next track.
2. Press and hold to fast rewind/ fast forward through the currently playing tracks.

CD/AUX buttons

1. Press **CD/AUX** (9) repeatedly when an iPod® is connected to select iPod® play mode.

Menu-tune button with control

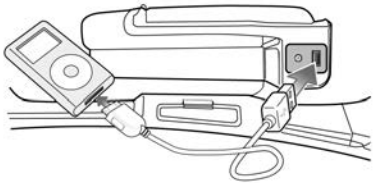
1. Press **MENU•TUNE** (14) to display the current selection or current mode.
2. Rotate to scroll to the track list currently playing.

Back button

1. Press ⇦**BACK** (16) to cancel input content or return to the previous menu.

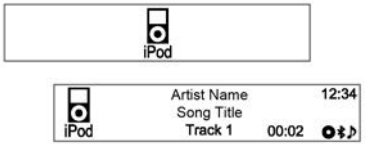
See Overview on page 71.

Connecting an iPod® device



1. Open the cover located above the glove box.
2. Connect the iPod® to the USB port.

   Note
   Only connect the iPod® with connection cables that are supported by iPod® products. Other connection cables should not be used.



Note

- Once reading of the iPod® is complete, it will play automatically.
- If a non-readable iPod® device is connected, an error message will be displayed and the previously used mode or FM radio will play.

- If the iPod® to be played is already connected, repeatedly press **CD/AUX** (9) to select iPod®. Play will begin from where it previously finished.
- The playback functions and the information display items may differ from the iPod® in terms of play order, method and the information displayed.

Using the iPod® menu

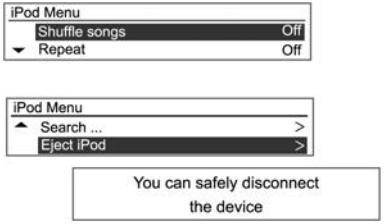
The iPod® menu operation is similar to the CD menu operation.

To shuffle and repeat tracks, select tracks, search folders and search the device (including audio books and composers) using the iPod® menu, see Using the CD menu on page 87.

Disconnecting an iPod® device

1. Press the **RADIO BAND** (10) or **CD/AUX** (9) to select another mode.

Removing an iPod®



1. Press **MENU•TUNE** (14) to display the iPod® menu.
2. Rotate **MENU•TUNE** (14) to scroll to Eject iPod.
3. Press **MENU•TUNE** (14).

   You can safely disconnect the device is displayed.
4. Remove the iPod® device.

   The audio system will switch to the previously used mode or FM radio.

Bluetooth® music

General information

- A mobile phone or Bluetooth® device that supports A2DP (Advanced Audio Distribution Profile) versions over 1.2 may be paired and connected to the infotainment system. See Pairing a Bluetooth® device on page 102.
- From the mobile phone or Bluetooth® device, find the Bluetooth® device type to set/ connect the item as a stereo headset if required.
- ♪ is displayed at the bottom right of the infotainment screen, if the Bluetooth® audio device is successfully connected.
- The audio sound is delivered through the infotainment system.

- For Bluetooth® audio to play, the music must be played at least once from the phone or Bluetooth® device.

  When entering play mode a second time, play will begin automatically and will stop when the audio ends.

  Some devices may not automatically play in Bluetooth® audio play mode.
- Audio only operates with Bluetooth® devices that support AVRCP (Audio Video Remote Control Profile) version 1.0 or above.

  Depending on the Bluetooth® device options, some devices may display AVRCP connecting for the initial connection.
- Bluetooth® audio may take some time to transmit data from the mobile phone to the infotainment system.
- The infotainment system outputs the audio from the mobile phone or Bluetooth® device as it is transmitted and transmission breaks may occur.

Main buttons and controls:

Seek buttons

1. Press I◁SEEK▷I (8) while in Bluetooth® audio play mode to play the previous or next track.
2. Press and hold to fast rewind/ fast forward through the currently playing tracks.

CD/AUX buttons

1. Press **CD/AUX** (9) repeatedly when a Bluetooth® device is connected to select Bluetooth® audio play mode.

Playing Bluetooth® audio

1. Connect the Bluetooth® device
2. Press **CD/AUX** (9) repeatedly to select Bluetooth® audio play mode.
3. Press I◁SEEK▷I (8) to move to the previous or next track.

   Alternatively, press and hold to fast rewind/fast forward.

   Note
   Information about the playing track and track position will not be displayed on the infotainment system screen.

Personalisation

Main buttons and controls:

Configuration

1. Press **CONFIG** (12) to enter the system setup menu.

Menu-tune button with control

1. Press **MENU•TUNE** (14) to enter the control screen for the current menu.
2. Rotate to scroll through the current list.

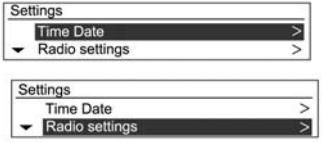
Back button

1. Press ⇦**BACK** (16) to cancel input content or return to the previous menu.

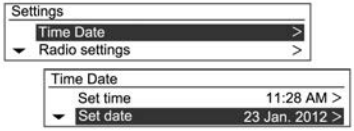
See Overview on page 71.

Setup menu

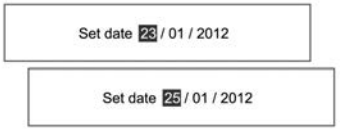
Setup time and date (example)



1. Press **CONFIG** (12) to enter the system setup menu.
2. Rotate **MENU•TUNE** (14) to scroll to a setup menu.
3. Press **MENU•TUNE** (14).



- A menu list for the relevant setup menu or current state is displayed.
- If there is a sub menu list, repeat Steps 2 and 3.

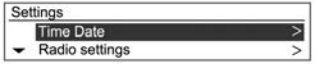


4. Rotate **MENU•TUNE** (14) to go to the setup value or current state.
5. Press **MENU•TUNE** (14).

Language settings

Only English may be displayed.

Time and date settings



- **Set time**: Manually set the hours and minutes for the current time.
- **Set date**: Manually set the current year/month/date.
- **Set time format**: Select 12h or 24h time display.
- **Set date format**: Set the date is display format.

  YYYY.MM.DD: 2012 Jan. 23

  DD/MM/YYYY: 23 Jan. 2012

  MM/DD/YYYY: Jan. 23, 2012

Radio settings

- **Auto volume control**: Set Off/Low/ Medium/High.
- **Maximum startup volume**: Manually set max. limit for the start-up volume.
- **Radio favourites**: Manually set the maximum number of favourite pages.

Bluetooth® settings

- **Activation**: Select on or off.
- **Device list**: Select a device and select, connect, separate or delete.
- **Add device**: Pair a new Bluetooth® device.
- **Change Bluetooth® code**: Manually change/set the Bluetooth® pairing code.

Restore factory settings

Restore the initial setup values back to the default settings.

Bluetooth® phone

General information

Bluetooth® allows users with a Bluetooth® enabled mobile phone to make and receive hands-free calls using the vehicle's infotainment system and controls.

The Bluetooth® enabled mobile phone must be paired to the vehicle's infotainment system before it can be used in the vehicle.

Not all phones will support all functions. For more information visit: www.holden.com.au.

Bluetooth® also allows streaming of music files from a device, if files are available. See Bluetooth® music on page 97.

⚠Warning

Do not use a mobile phone when driving.

Make sure that Bluetooth® is activated before driving. If not stop at a safe place to use a mobile phone.

Main buttons and controls:

Menu-tune button with control

1. Press **MENU•TUNE** (14) when in Bluetooth® phone mode to display the menu.
2. Rotate to scroll through the menu.

Phone/mute button

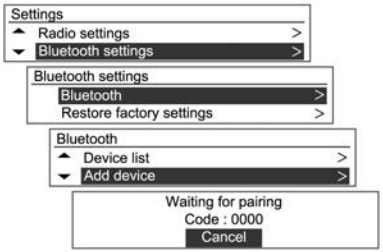
- Press ✆/🔇 (17) to select Bluetooth® phone mode.

See Overview on page 71.

Pairing a Bluetooth® device

- When it is not possible to connect to Bluetooth®, delete the entire device list from the Bluetooth® device to be connected, and try again. If deleting the entire device list does not work, then reinstall the device battery and reconnect.
- If there is a problem after the Bluetooth® device is connected, rotate **MENU•TUNE** (14) to scroll to Restore factory settings.
- For Bluetooth® devices that do not support stereo headsets, the Bluetooth® audio play function cannot be used.
- It is not possible to listen to the music through the Bluetooth® audio if an iPhone® is connected through a USB connector.

1. Set up the Bluetooth® device to be connected from its Bluetooth® setup menu, to enable other devices to search for the Bluetooth® device.
2. Press **CONFIG** (12).



3. Rotate **MENU•TUNE** (14) to scroll to **Bluetooth settings**.

   Select **Bluetooth**.

   Select **Add device**.

4. Press **MENU•TUNE** (14).

   If there already is a Bluetooth® device connected to the infotainment system:

   Bluetooth is busy is displayed.

   Connection standby is displayed with a message and a security code.

   The initial value is 0000. This can be changed:

   1. Select **Settings**.
   2. Select **Bluetooth settings**.
   3. Select **Bluetooth**.
   4. Change Bluetooth® code.

The infotainment system can be found by searching on the to be connected Bluetooth® device.

1. Select **MY CAR** on your device.
2. Enter the security code for the infotainment system through the Bluetooth® device if required.

   If the pairing of the device to be connected is successful, the screen will display the information for the Bluetooth® device.

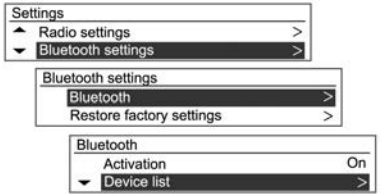
The infotainment system can register up to five Bluetooth® devices.

Connecting a Bluetooth® device

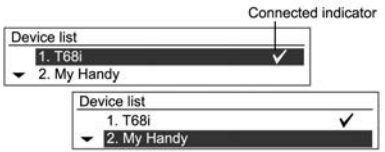
1. The Bluetooth® device to be connected from the Bluetooth® setup menu, must previously have been paired with the infotainment system.

   Note
   If there is a Bluetooth® device already connected, that device needs to be disconnected first.

2. Press **CONFIG** (12).



3. Rotate **MENU•TUNE** (14) to scroll to **Settings**.
4. Select **Bluetooth settings**.
5. Select **Bluetooth**.
6. Select **Device list**.
7. Press **MENU•TUNE** (14).



8. Rotate **MENU•TUNE** (14) to select the paired Bluetooth® device to be connected.
9. Press **MENU•TUNE** (14).

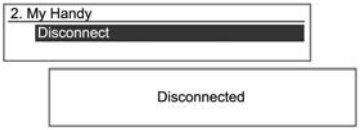
Deleting a Bluetooth® device

1. Press **CONFIG** (12).
2. Rotate **MENU•TUNE** (14) to scroll to **Settings**.
3. Select **Bluetooth settings**.
4. Select **Bluetooth**.
5. Select **Device list**.
6. Press **MENU•TUNE** (14).
7. Rotate **MENU•TUNE** (14) to select the device to delete.
8. Press **MENU•TUNE** (14).
9. Select **Delete**.
10. Press **MENU•TUNE** (14) to confirm deletion.

    Device deleted is displayed.

Disconnecting a Bluetooth® device

1. Press **CONFIG** (12).
2. Rotate **MENU•TUNE** (14) to scroll to **Settings**.
3. Select **Bluetooth settings**.
4. Select **Bluetooth**.
5. Select **Device list**.
6. Press **MENU•TUNE** (14).
7. Rotate **MENU•TUNE** (14) to select the device to be disconnected.
8. Press **MENU•TUNE** (14).



9. Select **Disconnect**.
   Disconnected is displayed.

Bluetooth® error messages

- **Bluetooth® deactivated**

  Check if Bluetooth® activation is on. The Bluetooth® function can be used when turning on Bluetooth® activation.
- **Bluetooth® is busy**

  Check if there are any Bluetooth® devices connected. To connect a device, disconnect any other connected devices first, then reconnect.
- **Device list is full**

  No more than five devices can be paired.
- **No phone book available**

  This message will be displayed if the mobile phone does not support contacts transmission.

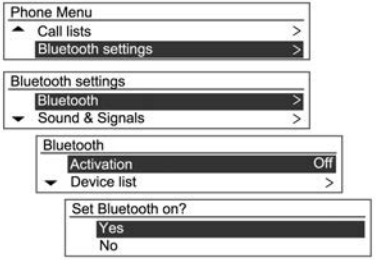
  If this message appears after several attempts, the device does not support contacts transmission.

- **Phone book is empty**

  This message is displayed if no phone numbers are stored in the mobile phone.

  This will also be displayed if the phone log transmission is supported, but in a way that is not supported by the infotainment system.

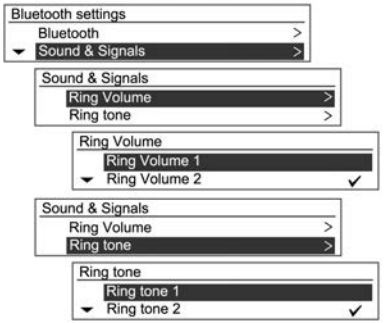
Bluetooth® settings



Setup Bluetooth® functions:

1. Ensure the Bluetooth® phone is connected.
2. Press ✆/🔇 (17).
3. Rotate **MENU•TUNE** (14) to select **Phone menu**.
4. Select **Bluetooth settings**.
5. Rotate **MENU•TUNE** (14) to make a selection.

Sound and signals



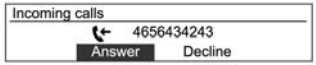
To set up the ring tone and its volume used by the Bluetooth® function:

1. Press ✆/🔇 (17).
2. Rotate **MENU•TUNE** (14) to select **Bluetooth settings**.
3. Select **Sound & Signals**.
4. Select **Ring Volume** and/or **Ring tone**.

Note
For mobile phones that transfer ring tones, the volume of the ringtone will be based on the volume transmitted from the mobile phone.

Adjust the ringtone volume of the mobile phone if necessary.

Answering calls



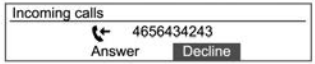
1. Press **MENU•TUNE** (14).

   Alternatively, press on the steering wheel remote controls.

   Note

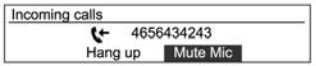
   - Audio transmission will stop, the phone will ring and information will display on the screen.
   - The ring tone may transfer to the infotainment system speakers depending on the mobile phone used. Adjust the volume if necessary.

Rejecting calls



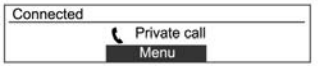
1. Press on the steering wheel remote controls.
2. Rotate **MENU•TUNE** (14) to select **Decline**.

Muting calls



1. Rotate **MENU•TUNE** (14) to select **Mute Mic**.

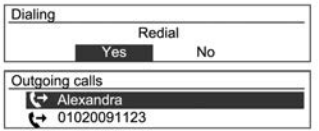
Private calls



While talking on the phone:

1. Press and hold ✆ on the steering wheel remote controls to change to private call mode (some phones may not support the private call mode).
2. Select **Private call** by using **MENU•TUNE** (14).

Redialling



1. Press ✆ on the steering wheel remote controls.

   The redial guidance screen is displayed.

   Alternatively, press and hold ✆ to display the outgoing calls list on your phone.

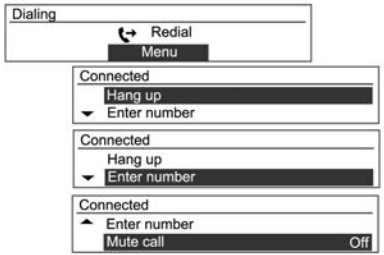
2. Rotate **MENU•TUNE** (14).
3. Select **Yes** or **Contacts**.
4. Press **MENU•TUNE** (14).

   Alternatively, press ✆ on the steering wheel remote controls to make the call.

Note

- When redialling a number, the connected phone number will not be displayed.
- Depending on the mobile phone options, the call may be made through the call history of the received or missed calls instead of the redial mode.

In call functions



While on a call:

1. Press **MENU•TUNE** (14).
2. Rotate **MENU•TUNE** (14) to select from:

   Hang up

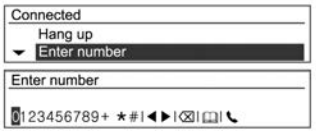
   Enter number

   Mute call

To select Private call:

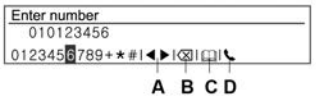
3. Press and hold ✆ on the steering wheel remote controls.

Calling by entering numbers



To make a call by entering the phone number:

1. Press / (17).
2. Rotate **MENU•TUNE** (14) to select **Enter number**.



3. Rotate **MENU•TUNE** (14) to select the numbers/characters.
4. Press **MENU•TUNE** (14) to enter the number.

   Repeat to enter all numbers.
5. Press ⇦**BACK** to delete a number one by one.

   Alternatively, press and hold ⇦**BACK** to delete all content that has been entered.

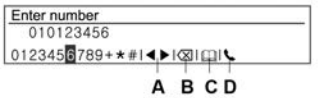
To edit the input content:

A. Move: Move input position

B. Delete: Delete input character

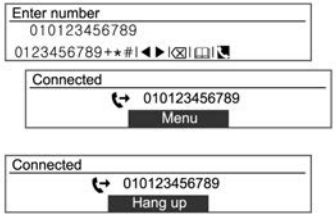
C. Phone book: Search contacts (usable after updating the phone numbers). See Updating contacts on page 112.

D. Dial: Begin dialling



After the phone number has been entered:

1. Rotate **MENU•TUNE** (14) to select (D) to begin dialling.
2. Press **MENU•TUNE** (14) to make a call.

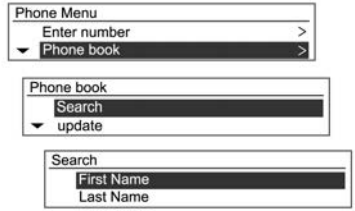


To end a call:

1. Press **MENU•TUNE** (14) to select the menu.
2. Select **Hang up**.

   Alternatively, press on the steering wheel remote controls.

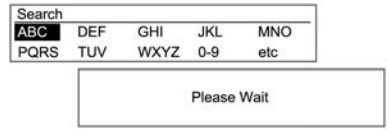
Using the phone book



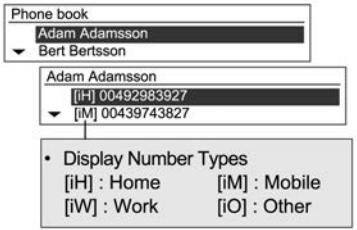
1. Press / (17).
2. Press **MENU•TUNE** (14) to select Phone Menu.
3. Rotate **MENU•TUNE** (14) to select **Phone book**.
4. Press **MENU•TUNE** (14).

   Note
   It is necessary to update the contacts list before searching the phone book for the first time. See Updating contacts on page 112.

5. Rotate **MENU•TUNE** (14) to select **Search**.
6. Press **MENU•TUNE** (14).
7. Rotate **MENU•TUNE** (14) to select **First Name** or **Last Name**.
8. Press **MENU•TUNE** (14).



9. Rotate **MENU•TUNE** (14) to select **Search**.
10. Press **MENU•TUNE** (14).



From the search results screen:

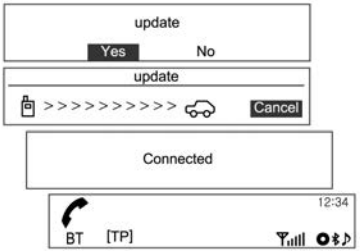
11. Rotate **MENU•TUNE** (14) to make a selection.
12. Press **MENU•TUNE** (14) to view details.

13. Press **MENU•TUNE** (14) to make a call.

Updating contacts

To update the contacts on the mobile phone to the infotainment system contacts:

1. Rotate **MENU•TUNE** (14) to select **Phone Menu**.
2. Select **Phone book**.
3. Select **update**.
4. Press **MENU•TUNE** (14).



5. Rotate **MENU•TUNE** (14) to select **Yes** or **No**.
6. Press **MENU•TUNE** (14) to activate or cancel the update.

Note
Hands-free and Bluetooth® audio will stop while updating contacts is in process. Other functions can be used.

Notes on updating contacts

- This function can be used with mobile phones that support contacts update and the call history transmission function.

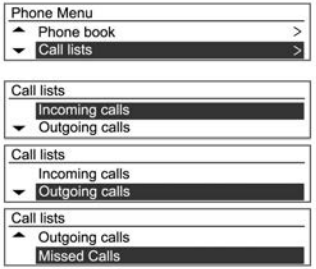
  If the infotainment system is connected to a mobile phone that does not support these functions, the call history cannot be displayed through the infotainment system.
- Updating contacts is not supported where there are more than 1,000 contact numbers.
- If there is a problem with the stored information of the mobile phone, the contacts may not be updated.
- The infotainment system only uses information coded in UTF-8 format.
- If other operations such as, game, map search, navigation, etc. are activated during contacts updating or call history transmission progress, the update/transmission process may not work.

  Do not use other functions on the mobile phone as these may affect the data transmission.
- When the contacts update or call history transmission is completed, all hands-free and Bluetooth® audio play modes will be automatically disconnected and then reconnected.
- If the infotainment system is turned off while on a call, the call will be transmitted to the mobile phone. Some phones may need to setup a call transmission function beforehand, depending on the type of phone.

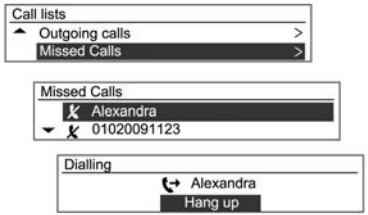
- If the user disconnects the connection directly (using the infotainment or mobile phone), the auto connection function does not take place.

  Auto-connection: This function automatically finds and connects the device that was last connected.
- Not all contacts may be displayed. The infotainment system only displays what has been transmitted from the mobile phone.
- The contacts update can only receive four numbers per contacts directory (mobile phone, office, home and other).
- Changing the language setup during the contacts update will delete all previous updates.
- If the Operating System (OS) of the mobile phone is updated, it may change how the phone's Bluetooth® function works.
- Special characters and unsupported languages will be displayed as "_ _ _ _".
- Calls registered in contacts without any name will be indicated as **No number in contac**t.
- The infotainment system will display contacts, call history, and redial information as it is transmitted from the mobile phone.

Call lists

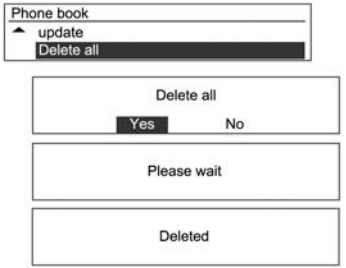


1. Press / (17).
2. Rotate **MENU•TUNE** (14) to select **Phone menu**.
3. Select **Call lists**.
4. Rotate **MENU•TUNE** (14) to make a selection.



5. Rotate **MENU•TUNE** (14) to select the number to be dialled.
6. Press **MENU•TUNE** (14) to call the selected number.

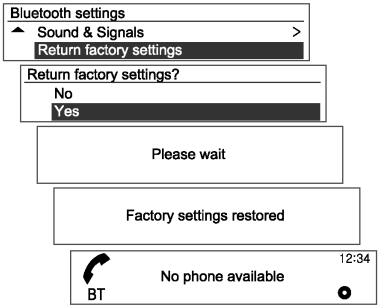
Delete all contacts



Note
All numbers stored in the infotainment system contact list will be deleted.

1. Press ✆/🔇 (17).
2. Rotate **MENU•TUNE** (14) to select **Phone menu**.
3. Select **Phone book**.
4. Select **Delete all**.
5. Select **Yes** or **No**.
6. Press **MENU•TUNE** (14) to confirm.

Restore factory settings



To reset the Bluetooth® setting to the default values:

1. Press ✆/🔇 (17).
2. Rotate **MENU•TUNE** (14) to select **Bluetooth settings**.
3. Select **Return factory settings?**
4. Select **Yes** or **No**.

Climate control

Air conditioning system 116
Air vents..... 119
Maintenance..... 120

Air conditioning system

⚠Danger

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.

Controls

- Temperature
- Demisting and defrosting
- Fan speed
- Air recirculation
- Air distribution
- Cooling

Temperature

Rotate the temperature switch:

Red: warm

Blue: cold

Fan speed

Rotate the fan speed switch ✤ to the desired speed, between **0** and **4**.

Air distribution

Select an air outlet by rotating the switch. Air is directed:

- : To the dashboard vents.
- : To the dashboard vents and floor vents.
- : To the floor vents. A small amount of air is directed to the windscreen and side vents.
- : Between the windscreen and floor vents and some to the side vents.
- : To the windscreen with a small amount of air directed to the side vents.

Windscreen demister

1. Rotate the temperature switch to the desired temperature.
2. Press .
3. Rotate the fan speed switch to the desired speed.
4. Rotate the air distribution switch to .

Note
If air conditioning is not required, rotate the air distribution switch to .

Air recirculation system

1. Press .

⚠Warning

Driving with recirculation mode on for a prolonged period of time can make you sleepy. Periodically switch to outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Cooling

The air conditioning system cools and dehumidifies (dries) the air when the outside temperature is a little above the freezing point, therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Even though the air conditioning is turned on, the vehicle will produce warm air if the air temperature switch is in the red area.

1. Turn the ignition on.
2. Rotate the temperature switch to cold air.
3. Press ❄.
4. Rotate the fan speed switch to the required speed.
5. Rotate the air distribution switch to the required setting.

To turn the air conditioning system off:

1. Rotate the fan speed switch ✤ to **0**.

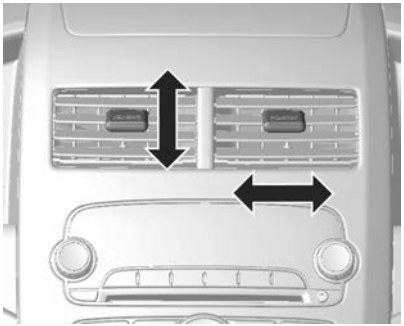
Maximum cooling

Use maximum cooling for quick cooling of the passenger compartment.

1. Turn the ignition on.
2. Rotate the temperature switch to cold air.
3. Press ⛭.
4. Rotate the fan speed switch ✣ to **4**.
5. Push 🚘.

Air vents

Adjustable air vents



Direct the air flow by tilting the vents.

Note
At least one air vent must be open while the air conditioning is on.

1. Rotate the switch anticlockwise.
2. Rotate the vent to the desired direction.
3. To close, rotate the switch clockwise.

⚠Warning

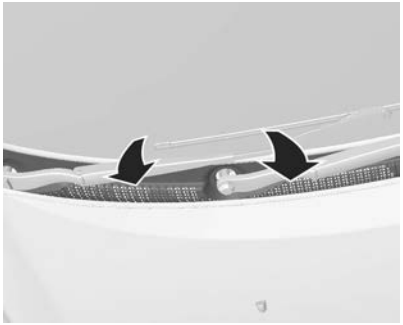
Do not attach objects to the vents. Damage or injury may occur.

Fixed air vents

Fixed air vents are located beneath the windscreen, front door windows and in the footwells.

Maintenance

Air intake



Outside air is drawn into the vehicle through the opening between the bonnet and the windscreen.

Keep the area clear of debris.

Pollen/dust filter

The passenger compartment air filter filters contaminants such as pollen and dust from entering the vehicle.

Caution
Have the passenger compartment air filter replaced if driving frequently on dusty and unpaved roads or polluted areas.

Air conditioning regular operation

To ensure efficient performance, switch the cooling on for a few minutes once a month, even in winter.

Note

Cooling is not possible when the outside temperature is low.

Driving and operating

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Starting and operating 121
Automatic transmission 125
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Brakes 130
Ride control systems 132
Fuel.....136

Driving information

Before entering the vehicle

Check that windows, mirrors and lamps are clean.

Visually check tyre inflation. Check tyre pressures weekly.

Before driving off

1. Close and secure all doors.
2. Position the seat for comfortable driving.
3. Adjust rear view mirrors.
4. Fasten seat belts.
5. Check that warning indicators illuminate when turning the ignition on. See Warning lights, gauges and indicators on page 53.

Starting and operating

New vehicle running-in

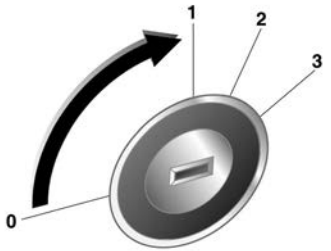
Use the following precautions to improve performance:

- Do not make full throttle starts.
- Avoid downshifting to brake or slow the vehicle.
- Avoid hard stops except in emergencies. This will allow your brakes to bed in properly.
- Avoid hard stops except in emergencies to avoid premature wear and early replacement of brakes.
- Avoid heavy acceleration and prolonged high speed driving to avoid damage to the engine and to conserve fuel.
- Do not tow any other vehicle.

Brakes

- Do not let the vehicle run down hills, or coast with the engine off, as the power assistance does not operate.
- Ensure that there are no obstructions which could limit brake pedal use.
- Continuous or heavy use of brakes will shorten the life of the brake pads.

Ignition positions



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0: (LOCK) The key can only be inserted and removed from this position.

1: (ACC) When the key is in this position, the audio system operates.

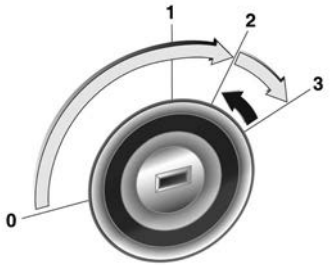
2: (ON) When the key is in this position, the engine is ready to start and all electrical systems are active.

3: (START) Turn the key to this position and release when the engine is running.

Caution

Do not leave the key in positions 1 or 2 for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

Starting the engine



1. Apply the park brake.
2. Turn the key to position 1 while moving the steering wheel slightly to release the lock.

   Manual transmission: Push the clutch pedal to the floor and move the shift lever to the neutral position.

   Automatic transmission: Move the shift lever to **P** or **N**.

   Do not accelerate.
3. Turn the key to position 3.
4. Release the key when the engine is running.

Before restarting or to switch the engine off, turn key back to position 0.

Caution
Do not keep the key in position 3 for more than 10 seconds. If the engine does not start, wait 10 seconds before trying again.

Parking

1. Apply the park brake.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.

   On an uphill slope, turn the front wheels away from the kerb.

   On a downhill slope, turn the front wheels towards the kerb.
3. Shut all windows.
4. Turn the ignition off and remove the key.
5. Press on the key to lock all doors. See Keys and locks on page 16.

⚠Warning

Be careful where you park or drive. As with any vehicle, do not park or operate the vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Exhaust gases are hazardous, especially if they concentrate in closed rooms.

Never leave the engine running in an enclosed space such as a closed garage or underground car park.

Engine exhaust

⚠Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault repaired by a Holden Dealer.

Avoid driving with an open tailgate/boot, otherwise exhaust gases could enter the vehicle.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Use of low quality fuel or fuel with too low an octane number may damage the engine, the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

If the engine misfires, runs unevenly, engine performance is reduced or other problems occur, contact a Holden Dealer as soon as possible.

In an emergency, drive for a short period, keeping the vehicle and engine speed low.

Automatic transmission

The automatic transmission allows manual gear shifting (manual mode) or automatic gear shifting (automatic mode).

The automatic transmission is an electronically controlled six-speed transmission. Sixth gear is overdrive.

⚠Warning

Do not press the accelerator pedal while shifting from **P** or **N** to **R** or a forward gear.

Use **D** as much as possible.

Never shift to **P** or **R** while the vehicle is in motion.

When stopping on an uphill grade, do not hold the vehicle in place by pressing the accelerator pedal. Use the brake pedal.

Press the brake pedal when shifting from **P** or **N** to **R** or a forward gear.

Selecting a gear

1. Press the brake pedal while moving the shift lever to either the **R**, **D** or **M**.

⚠Warning

Do not shift between **D** and **R** or **P** while the vehicle is moving.

2. Release the park brake and the brake pedal.
3. Slowly press the accelerator pedal.

Transmission display

The selected gear or transmission mode is displayed on the instrument panel.

Shift lever

P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral)

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

M: (manual) See Manual mode on page 127.

Caution

Do not accelerate while engaging a gear.

Never depress the accelerator pedal and brake pedal at the same time.

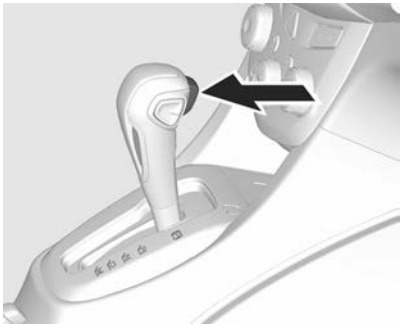
When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Do not use the **P** (park) position in place of the park brake.

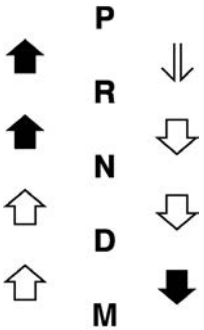
Turn off the engine, apply the parking brake and remove the ignition key when leaving the vehicle.

Never leave the vehicle unattended while the engine is running.

Shifting between gear positions

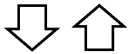


Movement between certain gear positions requires pressing the release button on the shift lever and/or the brake pedal to the floor.



Follow the descriptions as indicated by the arrows when moving the shift lever.

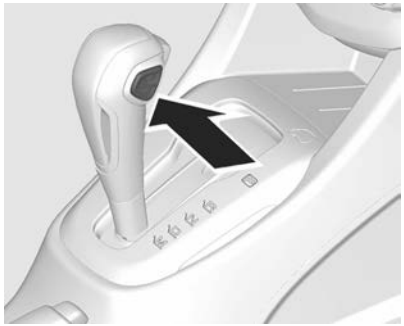
Press the release button to select a gear.



Push the brake pedal to the floor and press the release button to select a gear.

Shift freely to select a gear.

Manual mode



1. Move the shift lever to position **M**.
2. Press the gear shift button on the side of the shift lever:

   +: shift up gear

   –: shift down gear

Note

- To maintain the required levels of vehicle performance and safety, certain gearshifts may not occur when in manual mode.

- Downward shifts are made automatically when the vehicle slows down.
- When the vehicle stops, first gear is automatically selected.

Engine braking

To utilise the engine braking effect, select a lower gear when driving downhill.

⚠Warning

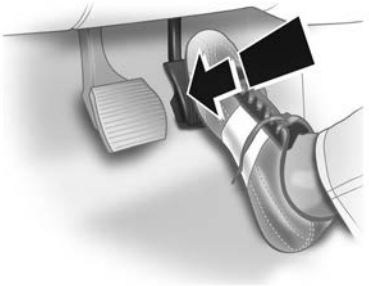
Do not downshift by two or more gear positions at one time.

Note
Use of engine compression during long mountainous descents may prolong the life of your brakes.

Parking

1. Press the brake pedal.
2. Select position **P**.
3. Pull the park brake lever up firmly.
4. Remove the ignition key.

Kickdown



For faster acceleration:

1. Press the accelerator pedal all the way down and hold.

   The transmission shifts to a lower gear depending on the engine speed.

Fault

In the event of a fault, illuminates. The transmission no longer shifts automatically or manually because it is locked in a certain gear.

Contact a Holden Dealer.

Interruption of power supply

If the power supply is interrupted, the shift lever cannot be moved out of position **P**.

If the battery is discharged, start the vehicle using jump leads. See Jump starting on page 172.

If the battery is not the cause of the fault, release the shift lever and remove the ignition key from the ignition lock.

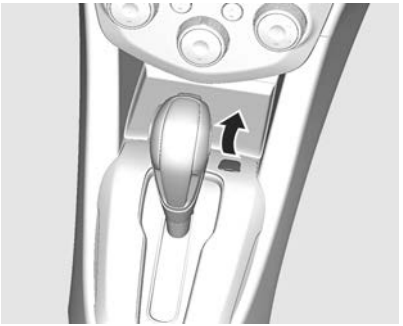
Release shift lever

Before shifting out of **P**:

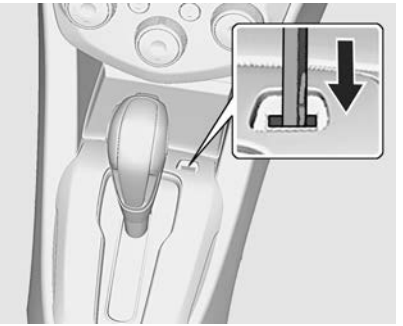
1. Turn the ignition on.
2. Press the brake pedal to the floor.

If you cannot shift out of **P** with the ignition on and the brake pedal pressed:

3. Turn the ignition off and remove the key.
4. Press and hold the brake pedal.
5. Pull up on the park brake lever.



6. Remove the cap on the centre console with a thin object such as a flat-blade screwdriver.



7. Press the ignition key into the slot.
8. Move the shift lever to **N**.
9. Remove the key from the slot.
10. Replace the cap.
11. Have the vehicle repaired by a Holden Dealer as soon as possible.

Manual transmission

- To engage reverse gear, pull the ring on the shift lever upwards then engage the gear.
- Do not engage reverse gear while the vehicle is moving.
- If the gear does not engage, move the shift lever to neutral, release the clutch pedal, press the clutch pedal again then repeat gear selection.
- Ensure the clutch pedal is completely pushed to the floor.
- Do not use the pedal as a foot rest.

Caution
Do not drive with your hand resting on the shift lever.

Brakes

The brake system comprises two independent brake circuits.

If one brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is pressed firmly. Considerably more force is needed for this.
The braking distance is extended. Contact a Holden Dealer.

Caution
Do not drive with your foot resting on the brake pedal. This will accelerate wear of the brake components and cause the brakes to become overheated.

⚠Warning

After driving through deep water, washing the vehicle or using the brakes excessively such as when descending a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating.

Shift to a lower gear when going down hills. Do not continuously apply the brakes.

To dry out the brakes:

- Ensure there is a clear area ahead.
- Lightly apply the brakes.
- Maintain a slow forward speed until performance returns to normal.

Antilock Brake System (ABS)

The ABS:

- Continuously monitors the vehicle's braking system preventing the wheels from locking up.
- Allows maximum braking effort while full steering control is retained, even in the event of panic braking.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. You should always adjust the vehicle's speed to suit road and traffic conditions. Always maintain an adequate distance to the vehicle in front of you.

Operation

ABS operation is noticeable by pulsing of the brake pedal and the noise of the regulation process.

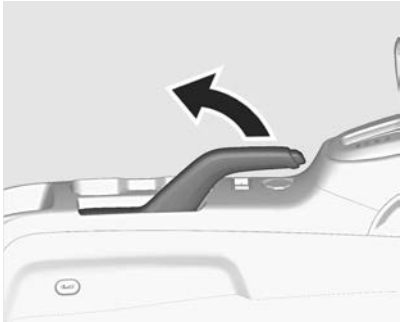
Keep the brake pedal fully pressed throughout the braking process, without pumping it.

Caution

If there is a malfunction with the ABS, the vehicle's brake system remains operational, but without ABS assistance. Have a Holden Dealer check the system as soon as possible.

See Antilock Brake System (ABS) warning light on page 58.

Park brake



Applying the park brake:

1. Pull the lever straight up, without pressing the release button.

Releasing the park brake:

1. Pull the lever slightly upwards.
2. Push in the release button on the top of the lever and lower the lever all the way down.

⚠Warning

Never drive the vehicle with the park brake applied.

Brake assist

If the brake pedal is pressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill Start Assist (HSA)

The HSA system assists in preventing rollback when driving off, while on an incline.

1. Release the brake pedal.
2. Press the accelerator pedal.

   The brakes remain on for approximately 2 seconds.

Ride control systems

Traction Control System (TCS)

TCS improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels start to spin, engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TCS is activated as soon as the ignition is turned on.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Operation

TCS can be deactivated when spinning of drive wheels is required:

1. Press OFF
   illuminates

To reactivate TCS:

1. Press OFF again
   TCS is also reactivated the next time the ignition is turned on. See Traction Control (TC) off light on page 58.

Electronic Stability Control (ESC)

The ESC:

- Improves driving stability in any driving situation.
- Assists in maintaining vehicle stability when the vehicle's grip level is exceeded such as a sudden lane change, slippery or unexpected road conditions.
- Alters engine power and/or braking on specific wheels, improving the vehicle's steering control and power delivery, on wet or slippery roads, particularly on snow and ice.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Activation

- The ESC is automatically switched on each time the engine is started.
- When ESC is active illuminates.
  See Electronic Stability Control (ESC) indicator light on page 58.

Deactivation

In certain circumstances, it may be helpful to deactivate ESC.

1. Press OFF for several seconds.

   OFF illuminates on the instrument panel.

   ESC is reactivated by pressing OFF again.

Cruise control

The cruise control:

- Maintains the vehicle's speed without pressure on the accelerator pedal.
- Will only operate at speeds above approximately 25 km/h.
- Controls are located on the passenger side of the steering wheel.

⚠Warning

Do not use the cruise control when road or driving conditions require varying speeds. A consistent speed isn't practical in heavy, varying traffic or on winding, slippery or rough roads.

The cruise control does not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills (particularly when towing) it is possible for the vehicle to lose speed. You may need to switch off the cruise control and use the accelerator pedal.

Setting cruise control

1. Press .

   illuminates white.
2. Accelerate to the desired speed (above 25 km/h).
3. Rotate the wheel towards **SET/-** and release.

   illuminates green.
4. Take your foot off the accelerator pedal.

Increasing set speed

1. Rotate the wheel towards **RES/+** and hold it.

   The vehicle will accelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **RES/+** and release it immediately.

   The speed will increase by 1-2 km/h.

Decreasing set speed

1. Rotate the wheel towards **SET/-** and hold it.

   The vehicle will decelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **SET/-** and release it immediately.

   The speed will decrease by 1-2 km/h.

To temporarily accelerate

When the cruise control is on:

1. Press the accelerator pedal.

   Note
   Increasing speed will not interfere with cruise control operation or change the set speed.

To return to the set speed:

1. Take your foot off the accelerator pedal.

Temporary deactivation

Do one of the following:

- Press .
- Reduce vehicle speed below approximately 25 km/h.
- Press the brake pedal or press the clutch pedal.

illuminates white.

Resume stored speed

When the cruise control is on:

1. Press **RES/+**.

   The most recently set speed will automatically resume.

Deactivation

1. Press .

   extinguishes.

Fuel

⚠Danger

EXHAUST WARNING – CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

Gases could be inhaled if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- Each time the vehicle is serviced.
- Whenever a change is noticed in the sound of the exhaust system.
- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to a Holden Dealer if you think the vehicle needs inspecting for any of the above reasons.

Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running. Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.

Driving with the tailgate/boot open is not recommended. If you must travel with the tailgate/boot open, close all windows, ensure that the heater controls are set to outside (rather than recirculate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h.

⚠Warning

FUEL

Fuel is extremely flammable and highly explosive.

Always switch off the engine of the vehicle and any mobile phones when refuelling.

Do not smoke or allow open flames or sparks near the vehicle when refuelling.

If fuel fumes are smelt while driving, the cause should be found and corrected without delay by a Holden Dealer.

Caution

FUEL ADDITIVES

Various additives are used in the formulation of good quality fuel and the use of supplementary additives in fuel is not required unless specified by Holden. Under no circumstances should fuel containing the manganese additive known as MMT (methyl cyclopentadienyl manganese tricarbonyl) be used, as this additive is known to cause contamination of catalytic converters, spark plugs and the malfunction of On-Board-Diagnostic (OBD) systems. The use of fuel additives that are not recommended by Holden may affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the additives affect the specifications and quality of the vehicle.

Caution

USE OF FUEL CONTAINING ETHANOL

When purchasing such fuel, we recommend that the vehicle be operated on fuel containing no more than 10% ethanol.

Under no circumstances should fuel containing more than 10% ethanol be used. Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation. These adverse effects could result in permanent damage to the vehicle and personal injury. It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

The use of fuel containing more than 10% ethanol may also affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the fuel affects the specifications and quality of your vehicle.

The use of any fuel, other than the fuel specified below, may seriously damage the vehicle and may void the warranty. Only clean fuel of good quality should be used.

Fuel type

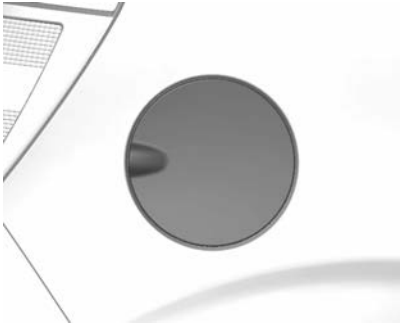
Use unleaded petrol of regular 91 Research Octane Number (RON) rating or higher.

Use of Premium unleaded petrol (95 RON or higher) may provide a small improvement in performance and fuel economy.

Refuelling

Always fill the fuel tank at the intermediate or fast fill rate. Do not add any more fuel after the fuel filler first clicks off or fuel blows back. This allows room for the fuel to expand inside the tank.

Wipe off any overflowing fuel immediately from the vehicle. Replace the fuel cap and close the fuel opening then spray or splash with water.

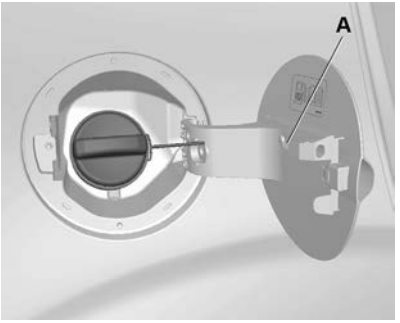


The fuel filler door is located in the driver side of vehicle, at the rear.

1. Stop the engine.

2. Press .
3. Open the fuel filler door.
4. Rotate the fuel filler cap slowly, anticlockwise.

   If a hissing sound is heard, wait for it to stop before completely unscrewing the cap.



5. Remove the cap.

   The cap is tethered to the hinge.
6. Hook the cap over (A) while refuelling.
7. After refuelling, close cap.
8. Rotate the cap clockwise through several clicks.
9. Push the fuel filler door closed until it latches.

Note
If in cold weather the fuel filler door does not open, tap the door lightly.

Vehicle care

General information 139
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Bulb replacement 151
Electrical system 157
Vehicle tools 161
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Towing 175
Appearance care 179

General information

Where specified, use only Holden genuine parts and accessories.

Emission information

The emission control systems are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. HC and NOx, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, CO is toxic when it becomes highly concentrated in the air.

Emission control system

Major emission control systems that the vehicle may have are:

1. Evaporative emission control system. This system is designed to prevent the escape of fuel vapour from the fuel system and recycle the vapours through the normal combustion process.
2. Crankcase emission control system. This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. Exhaust emission control system. The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust emission control system consists of components including electronic control of spark, fuel and idle speed. In addition vehicles have a catalytic converter and closed loop mixture control system.

It is recommended that service and repair to fuel or emission systems be carried out by an authorised Holden Dealer.

Owner responsibility

The engine, engine control system and exhaust system of the vehicle must NOT be modified in any way.

⚠Warning

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules. It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

Have the vehicle serviced at the frequency shown in the Maintenance schedule, in the Service/Warranty Booklet.

It is recommended that servicing be carried out by an authorised Holden Dealer who will maintain the vehicle's emission control system as per the Service/Warranty Booklet.

Vehicle storage

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain the washer fluid reservoir.
- Check coolant and corrosion protection.
- Adjust the tyre pressure to the value specified for a full load.
- Park the vehicle in a dry, well ventilated place.
- Engage first or reverse gear to prevent the vehicle from moving.
- Do not apply the park brake.
- Open the bonnet, close all doors and lock the vehicle.

  Disconnect the clamp from the negative terminal of the vehicle battery.

  Close the bonnet.

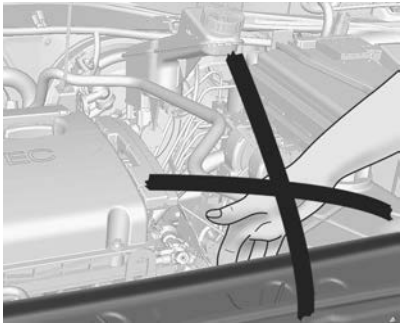
Before returning the vehicle to the road:

- Connect the clamp to the negative terminal of the vehicle battery.

  Check the power windows operation.
- Check the tyre pressures.
- Fill the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.

Vehicle checks

Doing your own service work



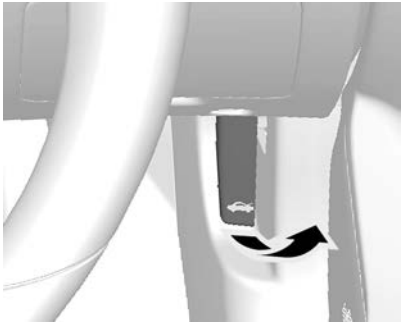
⚠Warning

Do not touch engine compartment components when the ignition is on due to extremely high voltages.

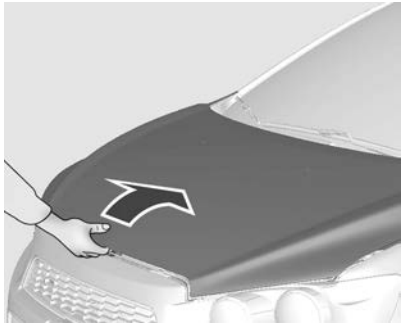
Note
The cooling fan may still operate when the ignition is off.

Bonnet

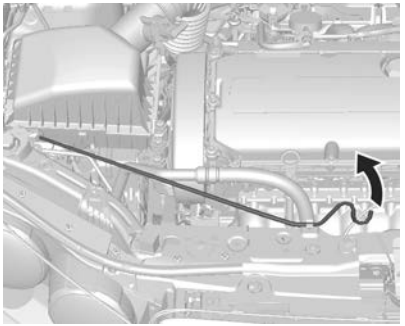
Opening



1. Pull the release lever rearwards.
2. Return the lever to its original position.



3. Push the safety catch towards the passenger side and open the bonnet.



4. Pull up the support rod away from the holder.
5. Secure on the passenger side of the bonnet.

Closing

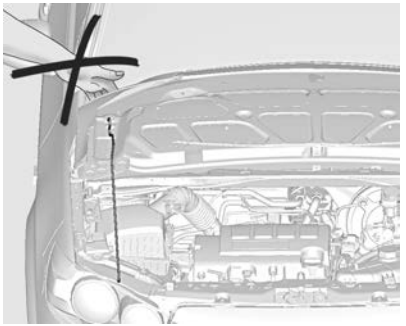
⚠Warning

To avoid injury and/or damage to the vehicle, check each time, before the bonnet is closed, that the contact area is unobstructed.

1. Place the support rod into the holder.
2. Lower the bonnet and allow it to drop into the catch.
3. Check that the bonnet is engaged.

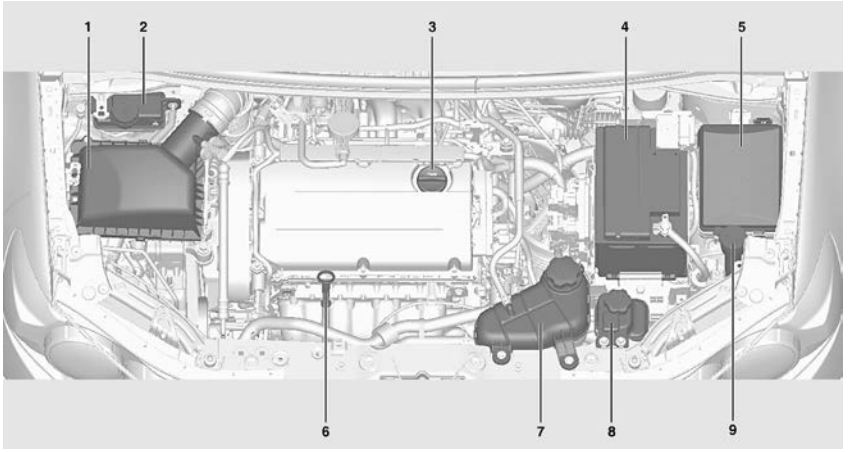
⚠Warning

If while driving you notice that the bonnet has not been properly closed, pull the vehicle over to the side of the road at the earliest possible moment and close the bonnet correctly.



Note
Do not pull down on the bonnet when the bonnet is supported by the rod.

Engine compartment overview



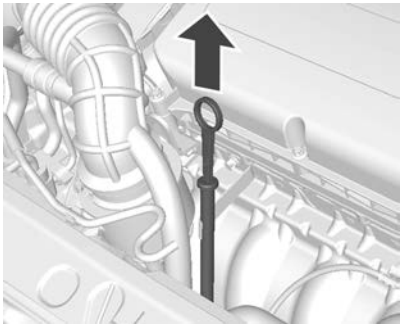
1. Engine air filter, see page 146
2. Brake fluid reservoir, see page 149
3. Engine oil filler cap, see page 145
4. Battery, see page 150
5. Fuse box, see page 158
6. Dipstick for engine oil, see page 144
7. Engine coolant reservoir, see page 146
8. Hydraulic power steering fluid reservoir, see page 147
9. Windscreen washer fluid reservoir, see page 148

Engine oil

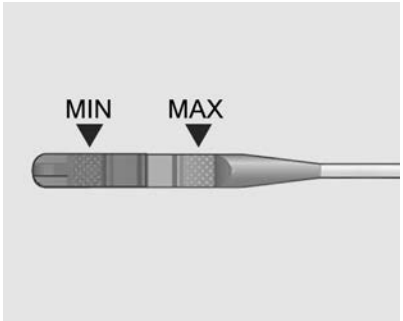
Checking oil level

- Check the engine oil level before a long journey.
- The engine must be at operating temperature and the ignition turned off for at least 5 minutes.

1. Park the vehicle on a level surface.
2. Remove the dipstick and wipe clean.
3. Insert the dipstick to the stop on the handle.



4. Remove and read the oil level.



The level should be at the MAX mark. Add oil if the level is at the **MIN** mark.

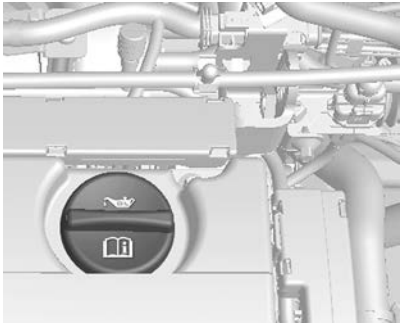
5. Insert the dipstick to the stop on the handle and rotate half a turn.

Note
The engine oil level must not exceed the **MAX** mark on the dipstick.

For correct engine oil specification, see Recommended fluids, lubricants and parts on page 184.

Adding engine oil

See Capacities on 189.



The engine oil filler cap is located on the top of the engine.

1. Rotate the engine oil filler cap anticlockwise and remove.
2. Add enough oil to reach below the **MAX** mark on the dipstick.
3. Check the level on the dipstick and add further oil if necessary.

   The engine oil must not exceed the **MAX** mark on the dipstick.

Caution

Overfilled engine oil must be drained or suctioned out.

4. Replace the engine oil filler cap tightly by rotating clockwise.

Note

Non-detergent and other low quality oils, the use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended.

⚠Danger

Engine oil is an irritant and if ingested, can cause illness or death.

Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be careful when draining the engine oil as it may be hot.

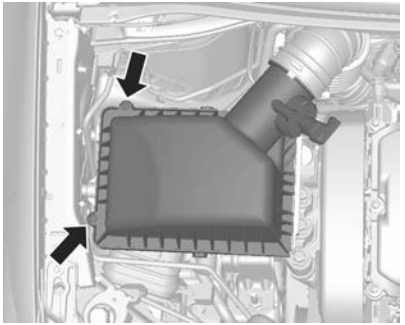
Engine oil change intervals

Refer to the Service/Warranty Booklet.

Automatic transmission fluid

The fluid level will be checked when the vehicle is serviced. Refer to the Service/Warranty Booklet. It does not require checking in between the scheduled services.

Engine air filter



1. Unscrew both screws.
2. Loosen the cover hinges.
3. Open the cover.
4. Replace the air filter.
5. Lock the cover with the cover hinges and screws.

Caution
Do not operate the vehicle without the air filter installed. Engine damage may occur.

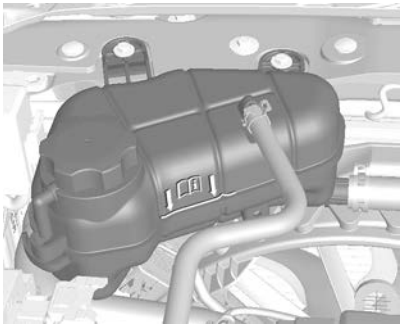
Engine coolant

Engine coolant level

Check the coolant level at least once a week.

Checking coolant level

⚠Warning
Do not remove the radiator cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.



If the cooling system is cold, the coolant level should be above the line on the coolant reservoir.

Adding coolant

Caution

If the coolant level is too low, engine damage may occur.

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Note

Use only approved coolant. See Recommended fluids, lubricants and parts on page 184.

1. Turn the ignition off.
2. Remove the coolant reservoir cap.
3. Add the required amount of coolant.
4. Replace the cap securely.
   If the coolant requires regular topping up, contact a Holden Dealer.

⚠Warning

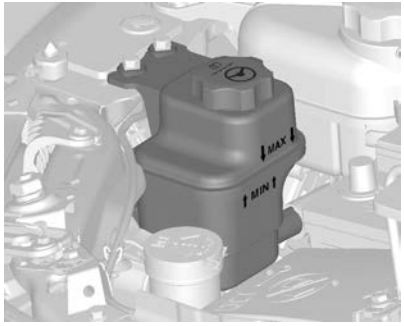
Avoid repeated or prolonged contact with coolant.

Wash off with soap and water.

Keep out of reach of children.

Power steering fluid

Adding power steering fluid



The power steering fluid level must be between the **MIN** and the **MAX** marks.

Use only Holden specified power steering fluid. See Recommended fluids, lubricants and parts on page 184.

1. Turn the ignition off.

Caution

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly.

Do not allow contaminants to contact the fluid side of the reservoir cap/dipstick or to enter the reservoir.

2. Rotate the power steering fluid reservoir cap anticlockwise and remove.
3. Add the required amount of power steering fluid.

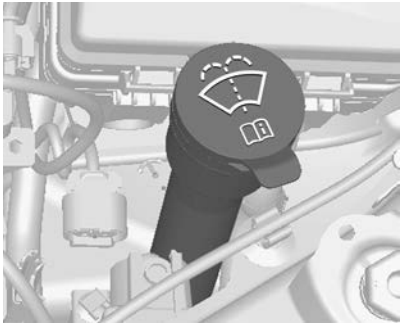
   Do not overfill the reservoir.

If the power steering fluid requires regular topping up, contact a Holden Dealer.

Caution

Do not operate the vehicle without the required amount of power steering fluid. Damage to the power steering system may occur.

Washer fluid



Check the fluid level weekly.

Adding washer fluid

1. Lift the front of the cap up.

   Use the correct amount of washer fluid additive. Refer to a Holden Dealer.

   Do not use ordinary soap or detergent as they froth up and damage the wiper rubbers.
2. Secure the cap.

Brake fluid

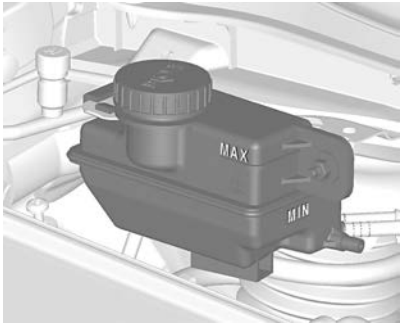
⚠Warning

Brake fluid is poisonous and corrosive and will damage the paint finish of the vehicle if spilt.

Caution

Avoid contact with eyes and skin. Wash any affected area immediately.

Checking brake fluid level



The level should be between the **MIN** and **MAX** area.

If the fluid level is correct, do not remove the reservoir cap, as brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding brake fluid

See Recommended fluids, lubricants and parts on page 184.

1. Turn the ignition off.
2. Wipe the sides of the cap clean.
3. Rotate the brake fluid reservoir cap anticlockwise and remove.
4. Top up with the recommended brake fluid.

⚠Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

If the brake fluid requires regular topping up, contact a Holden Dealer immediately.

Caution

Do not dispose of used brake fluid with household waste.

Use the local, authorised waste management facility.

Battery

⚠Warning

Batteries emit an explosive gas mixture which may be ignited. Therefore, you should keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with plenty of water. In case of eye contact, flush with plenty of water and contact a doctor immediately. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.

Keep batteries out of the reach of children.

Take care with all metal objects and tools including items you may wear (for example jewellery, rings and metal watch bands) near battery terminals.

The vehicle battery is maintenance free.

Battery replacement

For battery location, see Engine compartment overview on page 143.

For replacement, refer to a Holden Dealer or authorised repairer.

Caution

Do not dispose of batteries with household waste.

Use the local, authorised waste management facility.

Battery disconnection

The battery may discharge if the vehicle is not used for approximately four weeks.

To disconnect the battery:

1. Turn the ignition off.
2. Disconnect the clamp from the negative terminal of the vehicle battery.

   Ensure the ignition is turned off before reconnecting the vehicle battery.

For emergency starting when the battery is flat, see Jump starting on page 172.

Bulb replacement

Contact a trained service technician if unsure about the bulb replacement process.

When replacing bulbs:

- Turn the ignition off and remove the key.
- Turn off related switches.
- Fit bulbs of the specified wattage only.
- Do not touch bulbs or reflectors with bare hands.
- Clean stained bulbs with methylated spirits.

Bulbs to be changed by a Holden Dealer

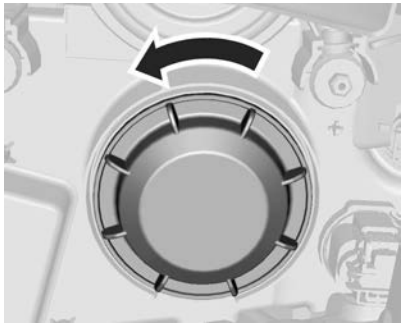
- Side turn signal lamps
- Centre High Mounted Stoplamp (CHMSL)
- Courtesy lamps

Caution

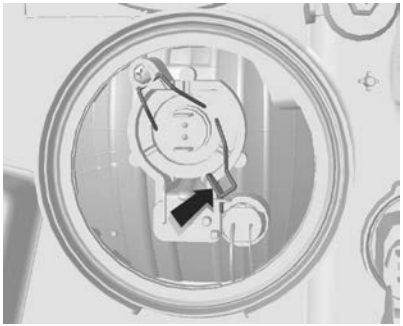
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Headlamps

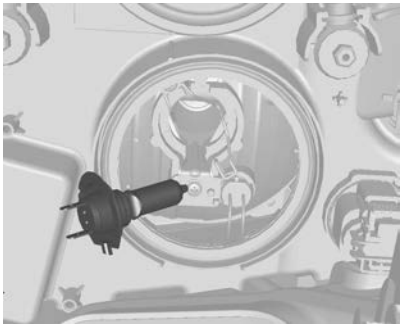
Low and high beam



1. Remove the protective cover.

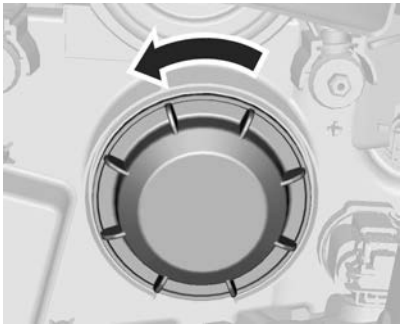


2. Press the spring clip to disengage.

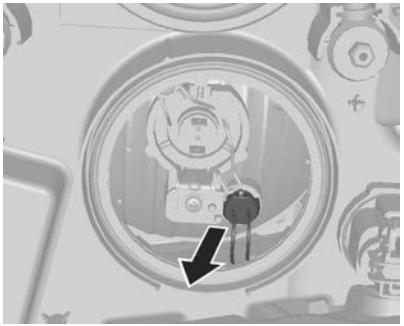


3. Remove the bulb from the reflector housing.
4. Detach the plug connector from the bulb.
5. Insert a new bulb by engaging the lugs in the recesses on the reflector.
6. Attach the plug connector onto the bulb.
7. Engage the spring clip.
8. Place the headlamp protective cover in position and close.
9. Check lamp operation.

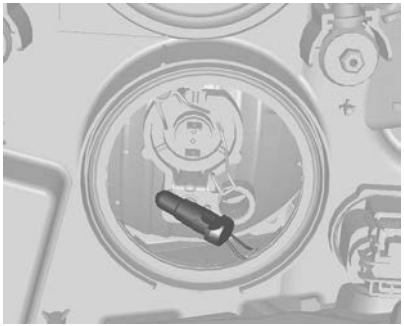
Parking lamps



1. Remove the protective cover.



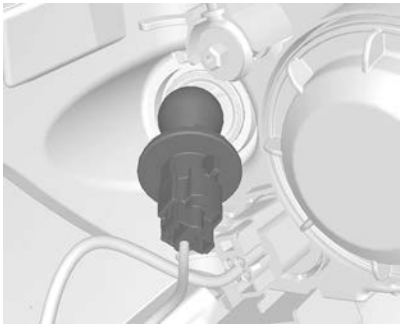
2. Remove the side lamp bulb holder from the reflector.
3. Detach the plug connector from the bulb.



4. Remove the bulb from the socket.
5. Insert a new bulb.
6. Attach the plug connector onto the bulb.
7. Insert the side lamp bulb holder into the reflector.
8. Place the headlamp protective cover in position and close.
9. Check lamp operation.

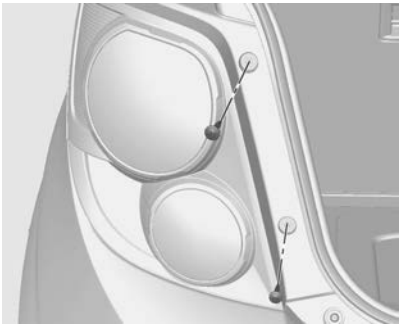
Front turn signal lamps

1. Rotate the bulb holder anticlockwise to disengage.



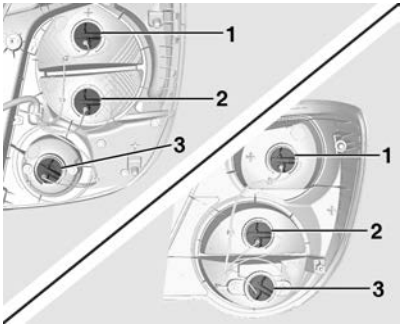
2. Push the bulb into the socket slightly and rotate anticlockwise, to remove.
3. Insert a new bulb.
4. Place the bulb into the socket and rotate clockwise.
5. Replace the bulb holder and rotate clockwise to engage.
6. Check lamp operation.

Tail lamps, turn signals, stop lamps and reverse lamps

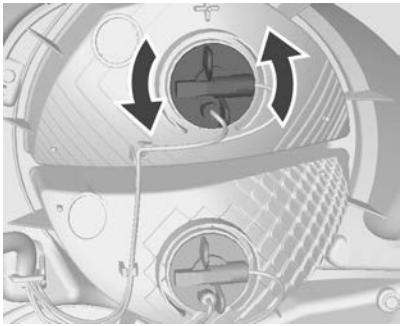


Hatch shown

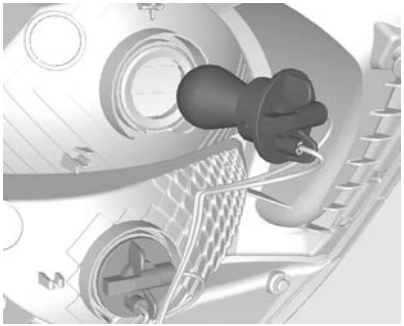
1. Unscrew both screws.
2. Hold both sides of the tail lamp assembly.
3. Pull rearwards to disengage the two locator pins from the outer panel.



- Tail/stop lamp (1)
- Turn signal lamp (2)
- Reverse lamp (3)



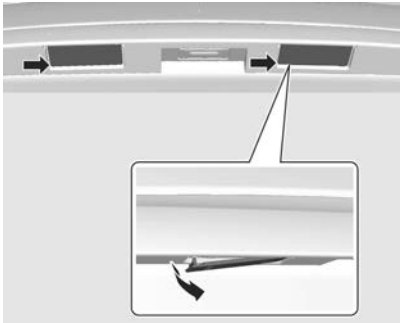
4. Rotate the bulb holder anticlockwise.



5. Remove the bulb holder.

   Note
   Avoid damage to the exposed bulbs.
6. Disengage the tail lamp bulb electrical harness from the retainer clips on the tail lamp assembly.
7. Renew the bulb.
8. Insert the bulb holder into the tail lamp assembly and screw into place.
9. Tighten the screws.
10. Close the covers and engage.
11. Check lamp operation.

License plate lamp

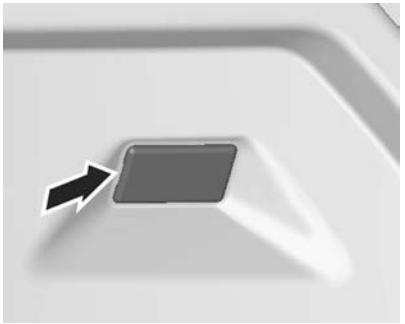


1. Prise the lamp out with a screwdriver.
2. Remove the bulb housing by pulling downwards.

   Do not pull on the cable.
3. Rotate the bulb holder anticlockwise to disengage.
4. Remove the bulb from the holder.
5. Insert a new bulb.
6. Insert the bulb holder into the bulb housing and rotate clockwise.
7. Insert the bulb housing and secure using a screwdriver.
8. Check lamp operation.

Interior lamps

Load compartment lamp



1. Using a flat-blade screwdriver, prise the lamp assembly outwards.

2. Remove the bulb.
3. Insert a new bulb.
4. Replace the lamp assembly firmly into place.
5. Check lamp operation.

Electrical system

Fuses

⚠Warning

Turn off the ignition (LOCK position) and any electrical equipment before changing a fuse.

- Replace blown fuses promptly.
- A blown fuse can be recognised by its melted wire.
- Do not replace the fuse until the cause of the fault has been remedied.
- Some functions are protected by several fuses.

Fuse extractor

A fuse extractor is located in the fuse box in the engine compartment.

Place the fuse extractor on the top or side of the fuse to extract the fuse.

Replace the fuse cover securely after use.

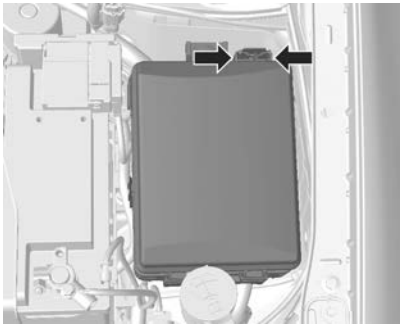
⚠Warning

When replacing a fuse be sure to use a fuse of the specified amperage.

Never install a wire or similar as it could damage electrical components and cause a fire.

Any improper alterations to the electrical system may cause a fire hazard and engine damage. To maintain your own safety and that of the vehicle, have any work involving the electrical system or the replacement of high current fuses or relays carried out by a Holden Dealer.

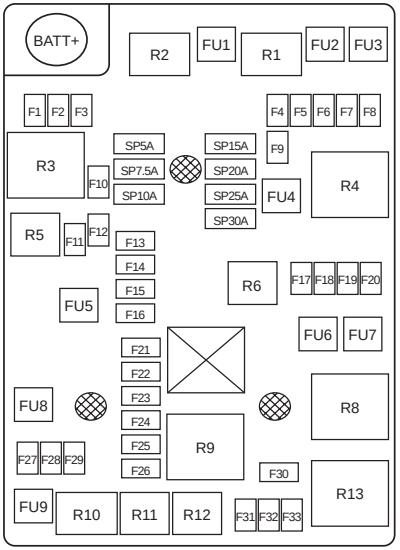
Engine compartment fuse box



The fuse box is located in the engine compartment.

To disengage the cover:

1. Lift upwards and remove.



The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuses

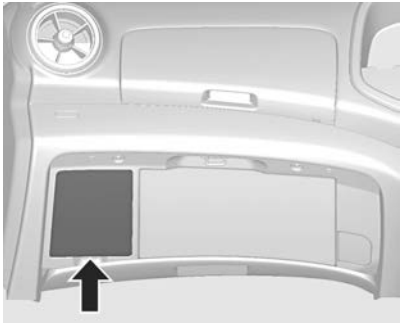
F1	ABS VALVE	(30A)
F2	SUNROOF	(20A)
F3	SPARE	(25A)
F4	REAR WIPER	(20A)
F5	RVC	(5A)
F6	ABS OIL	(5A)
F7	AOS/ROS	(5A)
F8	OSRVM	(7.5A)
F9	SPARE	(20A)
F10	RR WDW DEFOG	(30A)
F11	SPARE	(15A)
F12	OSRVM HTD	(7.5A)
F13	HEATED SEAT FRONT	(25A)
F14	FSCM 1	(20A)
F15	FLEX FUEL	(10A)
F16	WASHER	(10A)
F17	FUEL PUMP	(20A)
F18	ECM	(10A)
F19	FSCM 2	(10A)
F20	TCM	(10A)

F21 ECM 1 ..... (10A)
F22 COIL ..... (10A)
F23 ECM 4 ..... (10A)
F24 ECM 3 ..... (10A)
F25 ECM 2 ..... (20A)
F26 INJECTOR/IG COIL ..... (15A)
F27 ECM ..... (15A)
F28 AC CLUTCH ..... (10A)
F29 TCM ..... (15A)
F30 HORN ..... (15A)
F31 FRT FOG ..... (10A)
F32 HIGH BEAM LH ..... (10A)
F33 HIGH BEAM RH ..... (10A)
FU1 ABS PUMP ..... (40A)
FU2 FRT WIPER ..... (30A)
FU3 BLOWER ..... (40A)
FU4 RUN/CRANK IEC ..... (30A)
FU5 SPARE ..... (30A)
FU6 COOL FAN K5 ..... (40A)
FU7 COOL FAN K4 ..... (30A)
FU8 EVP ..... (20A)
FU9 START ..... (25A)

Relays

R1 FRT WIPER CONT
R2 FRT WIPER SPEED
R3 RR DEFOG
R4 RUN/CRANK
R5 SPARE
R6 FUEL PUMP
R8 COOL FAN K3
R9 P/T
R10 START
R11 AC CLUTCH
R12 HIGH BEAM
R13 COOL FAN K1

Instrument panel fuse block



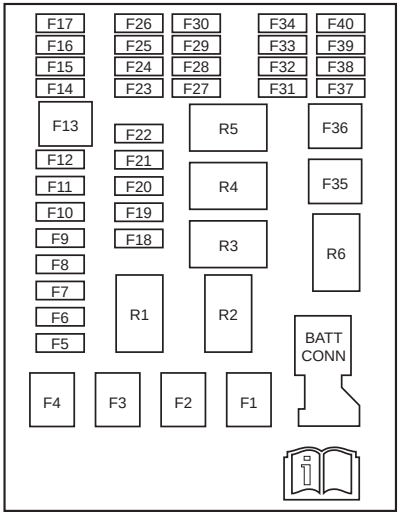
The interior fuse block is located in the glove box.

To remove the cover:

1. Open the glove box.
2. Pull up on the lower edge of the cover.

To replace the cover:

1. Insert the cover at the upper edge.
2. Push in at the lower edge to secure.



The vehicle may not be equipped with all of the fuses, relays and features shown.

The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuses

F1 SPARE
F2 SPARE
F3 PWR WNDW EXP DRV ..... (20A)
F4 SPARE
F5 BCM1 ..... (20A)
F6 BCM2 ..... (20A)
F7 BCM3 ..... (30A)
F8 BCM4 ..... (30A)
F9 BCM5 ..... (25A)
F10 BCM6 ..... (20A)
F11 BCM7 ..... (20A)
F12 BCM8 ..... (30A)
F13 SPARE
F14 L/GATE ..... (10A)
F15 AIRBAG ..... (10A)
F16 DLC ..... (15A)
F17 DLIS ..... (2A)
F18 HVAC ..... (10A)
F19 CHEVYSTAR ..... (10A)
F20 SPARE
F21 TRAILER ..... (20A)
F22 AUDIO ..... (15A)
F23 SPARE
F24 DIC ..... (10A)
F25 SPARE
F26 IPC ..... (10A)
F27 AIRBAG RUN/CRANK .. (10A)
F28 IPC AOS ..... (10A)
F29 SPARE
F30 HEADLAMP ALC ..... (10A)
F31 SPARE
F32 HVAC ..... (10A)
F33 CLOCKSPRING ..... (2A)
F34 TRAILER RUN/ CRANK ..... (10A)
F35 PWR WNDW FRONT .... (25A)
F36 PWR WNDW REAR ..... (25A)
F37 SPARE ..... (20A)
F38 CIGAR APO ..... (20A)
F39 SUNROOF ..... (10A)
F40 SPARE ..... (10A)

Relays

R1 SPARE
R2 SPARE
R3 L/GATE RELAY
R4 SPARE
R5 RUN RELAY
R6 RAP/ACCY

Vehicle tools

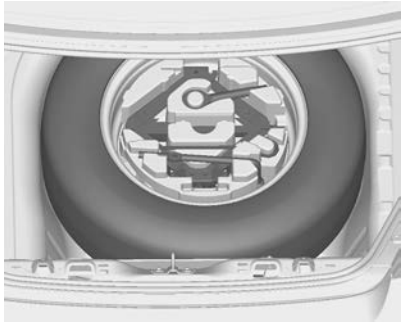
Tools

Tyre repair kit

The vehicle may have a tyre repair kit in place of a spare tyre.

The tools and tyre repair kit are located below the floor cover, in the load compartment. See Tyre repair kit on page 165.

Spare wheel



The jack and tools are located above the spare wheel, in the load compartment. See Tyre changing on page 169.

Wheels and tyres

Tyre and rim condition

- To avoid tyre and rim damage and possible tyre blowout, do not drive over sharp edges.
- Drive over edges slowly and at right angles, if possible.
- When parking, ensure the tyres are not pressed against the edge of the kerb.
- Check the tyres regularly for damage, stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Contact a Holden Dealer, if in doubt.

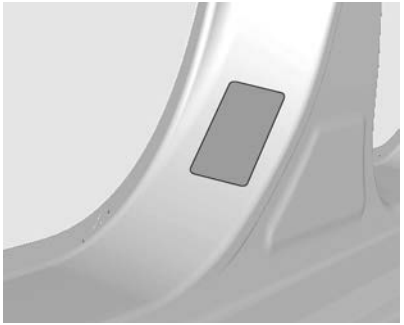
Tyre pressure

Keep the tyres at the recommended pressures to avoid increased fuel consumption, uneven and premature tyre wear.

The correct pressures are shown on the tyre placard and in the tyre pressure table. See Tyre pressure on page 189.

- Tyre pressure should be checked when cold as tyre pressure will increase as the tyres warm up.
- Check the air pressure of tyres (including the spare) weekly, to ensure occupant safety, as well as reducing fuel consumption and increasing the life of the tyres.
- Replace any valve dust caps or extensions.

Tyre placard



The correct pressures for tyres are shown on the tyre placard in the passenger's door frame.

Always inflate the spare tyre to the pressure specified for maximum load.

Tread depth

Check tread depth at regular intervals.

- Replace the tyres when:

  They are worn to the point where the tread wear indicators (TWI) appear.

  The tyres originally fitted to the vehicle have built in TWI. These show as plain bars across the tread pattern at regular intervals across the tyre.

- If there is more wear on the front tyres than on the rear, swap the front and rear wheels.

  Ensure that the direction of rotation of the wheels is the same as previous.

- Tyres age, even if they are not used. Replacement of tyres every six years is recommended.

⚠Warning

Do not attempt to drive on a flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded are not capable of being driven safely at high speeds. Therefore, their use is not recommended.

Buying new tyres

Refer to the tyre placard on the vehicle for tyre size and load rating.

Using a different size or type of tyre may affect:

- Ride
- Handling
- Speedometer accuracy
- Vehicle ground clearance
- Tyre clearance
- Snow chain clearance

⚠Warning

Do not use different sizes or types of tyres and wheels than those originally fitted to the vehicle. Safety and performance of the vehicle may be affected. It may also affect handling and lead to serious injury.

When replacing tyres, install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity.

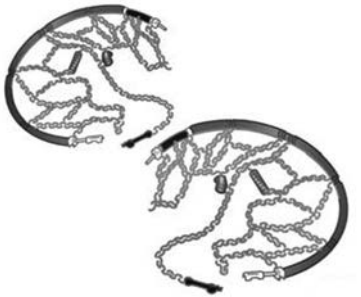
Wheel covers

Use wheel covers and tyres that are factory approved for the vehicle and which comply with all of the relevant wheel and tyre combination requirements.

⚠Warning

Use of incorrect tyres or wheel covers may result in damage to the vehicle and personal injury.

Tyre chains



Tyre chains are only permitted on the front wheels.

Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

⚠Warning

Tyre chains may only be used at speeds up to 50 km/h. Tyre chains should only be used for short distances if the roads are not snow covered. The hard road surface causes rapid wear and the chain may break. Tyre chain links should not be thicker than 10 mm and the clasp should be well away from the bodywork. Thicker chains may damage the vehicle body.

Tyre sealant and compressor kit

The vehicle may have an emergency tyre sealant and compressor kit, in place of a spare tyre. It is located below the floor cover in the load compartment.

The repair kit:

- Repairs minor damage to the tyre tread or sidewall.

  Note
  Do not remove any objects that have penetrated the tyre.
- Repairs damage up to 4 mm in the tread area of the tyre.
- Does not repair damage at the tyre's side wall, near the rim.

Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

⚠Warning

Do not drive faster than 80 km/h.

Do not drive on the repaired tyre for an extended time. Steering and handling may be affected.

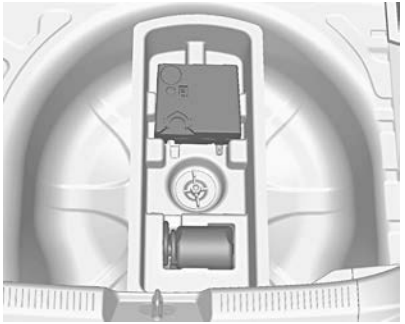
Note

- If unusual noises are heard or the compressor becomes hot, turn the compressor off for at least 30 minutes.
- Check the expiry date on the tyre sealant canister before use. The tyre sealant canister must be replaced before its expiry date.
- The compressor and sealant can be used from approximately –30°C to 70°C.

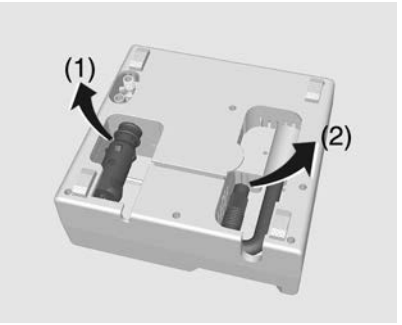
Temporary puncture repair

1. Apply the park brake.
2. Place manual transmissions into first or reverse gear.

   Place automatic transmissions into position **P**.



3. Remove the tyre repair kit from the compartment under the floor cover, in the load compartment.
4. Remove the compressor and sealant bottle.



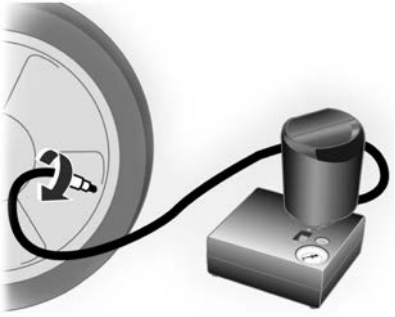
5. Remove the electrical connection cable (1) and air hose (2) from the underside of the compressor.

6. Place the switch on the compressor to **O**.
7. Screw the compressor air hose to the connection on the sealant bottle.
8. Connect the compressor plug to the accessory socket (power outlet).
9. Start the engine and let it idle to ensure the battery does not run down.

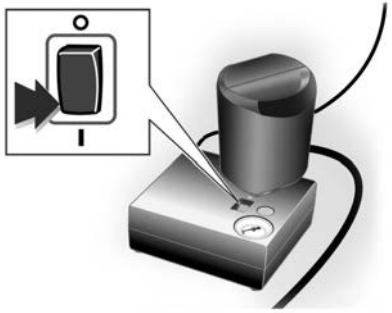
⚠Warning

Do not run the engine in an enclosed area or with passengers in the vehicle. See Fuel on page 136 for exhaust gas warnings.

10. Place the compressor near the tyre so that the sealant bottle is upright.



11. Unscrew the valve cap from the defective tyre.
12. Screw the filler hose to the tyre valve.



13. Press the switch on the compressor to **I**.

    The tyre fills with sealant.

    The compressor pressure gauge briefly indicates up to 6 bar while the sealant bottle is emptying (approx. 30 seconds).

    The pressure starts to drop.

    Once the sealant is pumped into the tyre, the tyre is inflated.

    The prescribed tyre pressure (approximately 2.4 bar) should be obtained within 10 minutes.

14. When the correct pressure is obtained, switch off the compressor.

⚠Warning

Do not over inflate tyres due to risk of injury or damage to the tyre.

15. If the tyre pressure is not obtained within 10 minutes, remove the tyre repair kit.
16. Move the vehicle one tyre rotation.

17. Reattach the tyre repair kit and continue the filling procedure for 10 minutes.

⚠Warning

If the recommended pressure cannot be reached after approximately 10 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre repair kit cannot inflate the tyre. Disconnect and stow the tyre repair kit back in its original position. Contact a Holden Dealer.

18. Drain excess tyre pressure with the button over the pressure indicator.

    Do not run the compressor longer than 10 minutes.

19. Detach the tyre repair kit.
20. Push the catch on the bracket to remove the sealant bottle from the bracket.
21. Screw the tyre inflation hose to free the connection of the sealant bottle. This prevents sealant from escaping.
22. Stow the tyre repair kit in the load compartment.

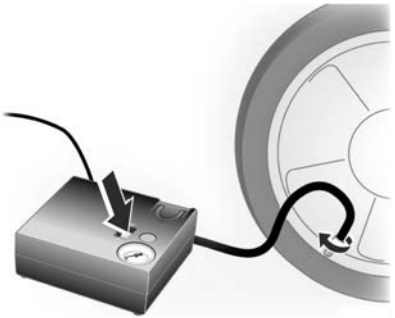
⚠Warning

Always stow the tyre repair kit in its original position. Unsecured loads increase the risk of injury during heavy braking, sudden avoidance manoeuvres or a collision.

23. Remove any excess sealant using a cloth.
24. After inflating the tyre, remove the maximum speed label and place it in a visible location.

    It reminds you to drive cautiously and not to exceed 80 km/h until the damaged tyre is replaced or repaired.

25. Continue driving immediately so that sealant is evenly distributed in the tyre.
26. After driving approximately 10 km (but no more than 10 minutes), stop at a safe location to check the tyre pressure.



27. Screw the compressor air hose directly onto the tyre valve and compressor to check the tyre pressure.
28. If the tyre pressure is more than 1.3 bar, set it to the correct value (approx. 2.4 bar).

29. Repeat the procedure from Step 25 until there is no more loss of pressure.

    If the tyre pressure has fallen below 1.3 bar, do not continue driving. Contact a Holden Dealer.

30. Dispose of the used tyre sealant canister at a Holden Dealer or in accordance with local and State codes and practices. Replace with a new canister.

31. Stow the tyre repair kit in the load compartment.

This is a temporary puncture repair. Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

Tyre changing

The vehicle may have a spare tyre.

⚠Warning

All passengers must be out of the vehicle when it is being jacked.

Do not jack a vehicle with a trailer attached. Remove the trailer first.

Only jack the vehicle on hard, level surfaces.

Ensure moving parts of the jack are adequately lubricated before use.

Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.

Do not start or run the engine while the vehicle is supported by the jack.

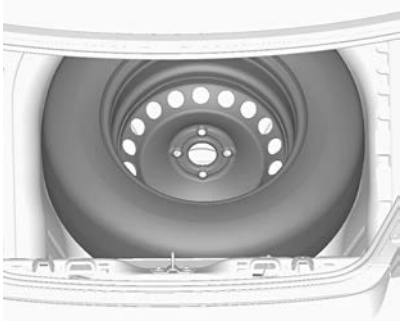
Use the jack only for lifting the vehicle when changing wheels.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

Vehicles with alloy wheels may have a steel spare wheel. Drive carefully and do not exceed 80 km/h if the tyre size or tread pattern of the spare tyre is different to the other tyres on the vehicle. Although the spare tyre was fully inflated when the vehicle was new, it can lose air over time. Check the inflation pressure regularly.

After installing the spare tyre on the vehicle, stop as soon as possible to check the inflation pressure is correct. Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

Removing the spare tyre



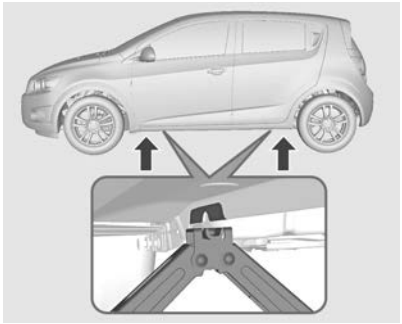
The spare tyre is located in the load compartment beneath the floor covering.

1. Park on a hard, level surface, in a safe location.
2. Apply the park brake firmly.
3. Place manual transmissions in first or reverse gear.

   Place automatic transmissions in position **P**.
4. Switch the hazard warning flashers on.
5. Turn off the engine and remove the key.
6. Chock the wheel diagonally opposite the flat tyre with a suitable solid object.

   Note
   Do not change more than one wheel at one time.
7. Remove the tools from the load compartment.
8. Remove the spare wheel from the load compartment.

9. Place the wheel wrench over the wheel nuts and loosen by half a turn, but do not remove the wheel nuts.



Hatch shown

10. Position the jack beneath the jack location closest to the wheel being changed.

    The locations are identified by half circles in the underside of the door sill.

11. Rotate the jack handle to raise the lift head slightly.
12. Attach jack handle to the jack and attach wrench to the jack handle.
13. Wind the jack up by hand until it engages with the jacking point.

    Ensure that the jack is not tilted and the base is resting squarely on the ground.

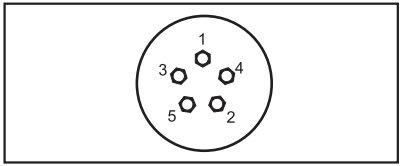
⚠Warning

Failure to position the jack as described could cause the vehicle to slip off the jack.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

14. Rotate the wrench checking the correct position of the jack, until the wheel is clear of the ground.
15. Unscrew the wheel nuts and place in a clean, dry place.
16. Exchange the wheel on the vehicle with the spare wheel.
17. Clean the wheel nuts and thread before replacing, then lightly tighten with the wheel nut wrench.
18. Lower the vehicle by reversing the jacking procedure.

19. Remove the jack from under the vehicle.



20. With the wheel on the ground, use the wheel wrench to tighten the wheel nuts in the sequence shown.
21. Replace the flat tyre and tools in the load compartment.

    Note

    To avoid rattling, tighten the screw head on the jack and make sure the jack isn't touching any other vehicle tools.
22. Have the flat tyre renewed or repaired.

⚠Warning

As soon as possible after changing a wheel, have the wheel nuts tightened with a torque wrench to 140 Nm (Newton metres). Wheel nuts must be tightened evenly to the correct torque, as wheel nuts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.

Jump starting

Read the following warnings and procedure in full before attempting to jump start the vehicle.

If you are still unsure about jump starting, Holden strongly recommends for your safety and that of the vehicle that you seek the assistance of a suitably trained service technician.

⚠Warning

Do not push start or tow start the vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, jump start, but do not push start the vehicle.

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, adhere to the following when working near a battery:

- Do not attempt jump starting directly from the battery in the engine compartment.
- Do not let the jumper lead clamps touch each other or other metal parts.
- Do not allow the jumper leads to contact any rotating engine components.
- Do not use open flames or sparks near the battery.
- Do not smoke near the battery.
- Never use a quick charger to start the engine.
- The battery must be removed from the vehicle for recharging.
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with plenty of water immediately. If it gets in your eyes you should not only flush with lots of water, but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage, wash it off immediately.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.

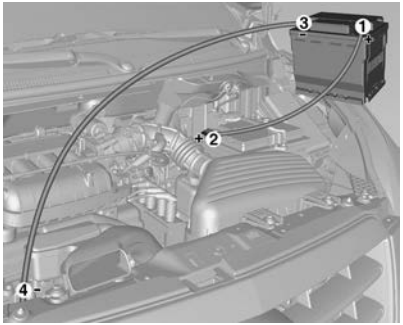
- If a permanently connected hands free telephone kit is fitted to the vehicle, remove the fuse for the telephone kit before jump starting. Remember to replace the fuse afterwards.

- A discharged battery can freeze at temperatures of 0°C.

  Defrost the frozen battery before connecting jumper leads.
- Use a booster battery with the same voltage (12 volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jumper leads with insulated terminals and a cross section of at least 16 mm^2.
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical devices.
- The vehicles must not come into contact with each other during the jump starting process.

1. Position the two vehicles so that they are not touching.
2. Apply the park brakes.
3. For manual transmissions, place the shift lever in neutral.

   For automatic transmissions, place the shift lever in **P**.
4. Turn the ignition off.
5. Turn off all lamps and accessories in both vehicles, except the hazard warning flashers or any lights needed for the work area.



6. Connect one end of the RED lead to the positive terminal of the booster battery (1).
7. Connect the other end of the RED lead to the positive terminal of the discharged battery (2).
8. Connect the BLACK lead to the negative terminal of the booster battery (3).
9. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt (4).

   Connect as far away from the discharged battery as possible (at least 60 cm).

   Note
   Route the leads so that they cannot catch on rotating parts within the engine compartment.
10. Start the engine of the vehicle providing the jump start and allow to idle for at least 5 minutes.
11. Start the engine of the vehicle with the flat battery.

    Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
12. Allow both engines to idle for approximately 3 minutes with the leads connected.

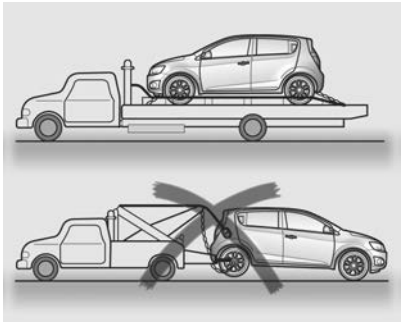
13. Switch on the headlamps and the heated rear window of the vehicle that received the jump start.
14. Leave the engines running while removing the BLACK negative jumper lead first, followed by the RED positive jumper lead.

Note
While removing each clamp, do not touch any other metal while the other end remains attached.

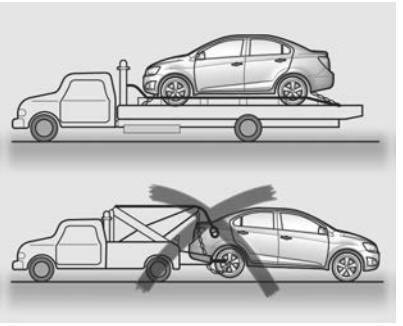
Towing

Towing the vehicle

Flat-bed tow truck



Hatch shown

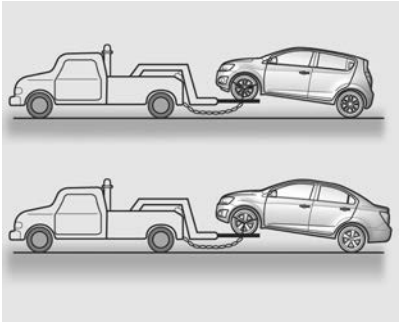


Sedan shown

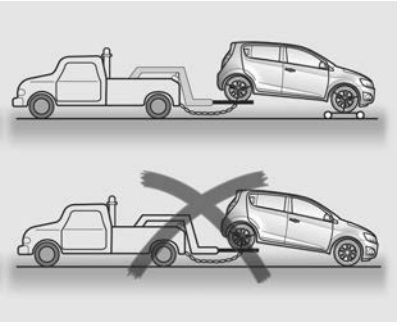
A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

Standard tow truck

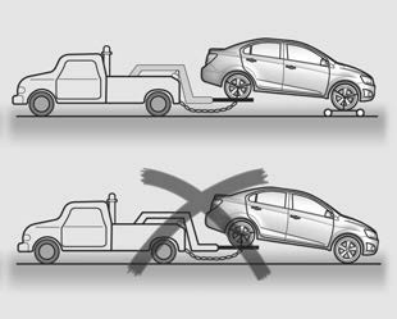
If a flat-bed tow truck is not available:



1. Use a standard tow truck, where the front wheels are raised and the rear wheels are in contact with the ground.



Hatch shown



Sedan shown

2. Alternatively, use a standard tow truck and a towing dolly to prevent the front wheels from contacting the road.

Caution

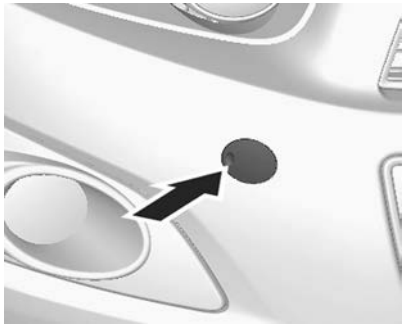
If the vehicle is towed with the front wheels contacting the road, the vehicle's drive system could be severely damaged.

Towing the vehicle

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage. State and local laws must be followed.

Note

- A driver must be in the vehicle to steer and operate the brakes.
- Release the park brake and place the shift lever in neutral.
- Drive slowly when towing.
- When the engine is not running, considerably more force is needed to brake and steer.
- To prevent the entry of exhaust fumes from the towing vehicle, close the windows and press .
- Automatic transmissions: The vehicle must be towed facing forwards, towed no faster than 80 km/h or further than 100 km.
- When the transmission is defective, the front axle must be raised off the ground.



1. Press the cap to disengage and remove.
2. Remove the towing eye from the load compartment. See Vehicle tools on page 161.

3. Screw in the towing eye until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

   Note

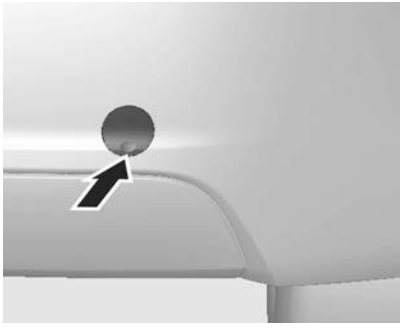
   The towing eye must only be used for towing and not for recovering the vehicle.
5. Turn the ignition on to release the steering column and to operate the brake lamps, horn and windscreen wipers.
6. Place the shift lever into neutral.

7. After towing, unscrew the towing eye and place back in the load compartment.
8. Reinstall the cap firmly.

Towing another vehicle

⚠Warning

To prevent damage, use only proper towing equipment.



1. Press the cap to disengage and remove.
2. Remove the towing eye from the load compartment. See Vehicle tools on page 161.

3. Screw in the towing eye until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

   Note
   The towing eye must only be used for towing and not for recovering the vehicle.
5. After towing, unscrew the towing eye and place back in the load compartment.
6. Reinstall the cap firmly.

Appearance care

Exterior care

Washing

The paintwork of the vehicle is exposed to environmental influences. Wash and wax regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Failure to do so may result in permanent damage, particularly in hot weather conditions.

Road bloom is a gradual build up of road and environmental grime. This should be removed with a paint cleaner once a year, in addition to normal washing.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. Never use an automatic wash that requires anything touching the paint (other than water). The wipers must be switched off. Remove the antenna and external accessories.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a Holden Dealer.

Caution

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and chamois off the vehicle. Rinse chamois frequently. Use separate chamois for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

⚠Warning

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Exterior lamps

Headlamp and other lamp covers are made of plastic. Do not use any abrasive, solvent based cleaners or caustic agents and do not dry-clean them.

Air intakes

Clear debris from the air intakes, between the bonnet and windscreen and below the front bumper, when washing the vehicle.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads).

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

- Never use abrasive cleaners to clean glass.
- Refer to a Holden Dealer for windscreen washer additive.
- Old wiper blades can cause windscreen scratching. Regularly inspect and replace them.

Caution
Do not operate the wiper blades by hand as this damages the wiper drive mechanism.

When cleaning the rear window, make sure the heating element inside is not damaged.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

- Remove oil and grease with soap and water or detergent.
- Do not use petrol to clean tyres.
- Use a good quality tyre and bumper shine if required.
- A good quality wheel cleaner can be used for cleaning alloy wheels.
- Do not use abrasive cleaners.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms.

Have more extensive damage or rust areas repaired by your Holden Dealer.

Caution

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paint work. If you do, wash it off immediately.

Underbody

Substances can cause rust under the vehicle.

- Hose the underbody with clean water whenever the vehicle is washed.
- Where the vehicle is exposed to heavy concentrations of corrosive materials, inspect and wash the complete underbody at least once each year, preferably after winter exposure.

Interior care

⚠Warning

Many cleaning products are toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Ensure that the vehicle is well ventilated while using any cleaners and always follow the cleaning product manufacturer's recommendations. Water based cleaners, rather than solvent based cleaners, are recommended.

Steam cleaning of seats is not recommended.

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with a mild, non-abrasive soap and lukewarm water.

After washing, thoroughly, sponge the solution out of the belts.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Service and maintenance

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General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

See your Service/Warranty Booklet for the service schedules and for more information.

Recommended fluids, lubricants and parts

Engine type	1.6L petrol
Engine oil specification	SAE 5W-30; dexos (dexos™ 1)
Coolant specification	50% clean fresh water and 50% Dexcool® anti-freeze coolant, conforming to specification number GM6277M
Manual transmission fluid	SAE 75W-90
Automatic transmission fluid	Dexron® VI
Brake fluid	DOT 4 Hydraulic brake fluid, conforming to specification number GMW3356
Power steering fluid	Dexron® VI
Battery	12 volts, 60 amp hours

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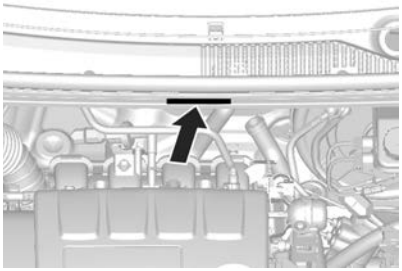
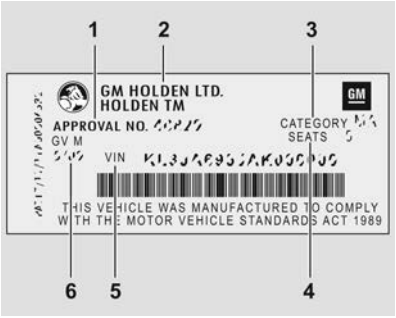
Vehicle identification

Vehicle identification number (VIN)



The Vehicle Identification Number (VIN), is engraved in the centre of the firewall and also on a plate on the passenger side at the lower edge of the front windscreen.

Identification plate



An identification label is located on the front passenger's door frame.

The label shows:

1 = Approval number

2 = Manufacturer

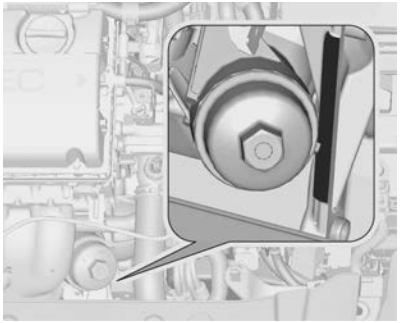
3 = Category

4 = Number of seats

5 = Vehicle identification number

6 = Compliance date

Engine number



The engine serial number is located next to the oil filter.

Vehicle data

Engine data

Engine type	1.6 D DOHC Petrol
Number of cylinders	4
Engine	1598 cc
Engine power	Please refer to holden.com.au
Engine torque	Please refer to holden.com.au
Octane rating (RON)	Unleaded regular 91 or higher
Ethanol compatibility	E10

Vehicle weight

Overloading is a safety hazard and could also shorten the life of the vehicle.

Maximum vehicle payloads

	Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
Hatch and sedan	5	68	408

Axle loads

Maximum front and rear axle loads

Do not exceed the maximum axle loads, including the weight of any options or accessories fitted to the vehicle. Weigh at a weighbridge if unsure.

	Front axle load (kg)	Rear axle load (kg)
Hatch and sedan	1090	830

Dimensions (mm)

	Length	Width	Height	Wheel base
5 door hatch	4039	1735	1517	2525
4 door sedan	4399	1735	1517	2525

The above figures are based on the design dimensions.

Capacities

Engine type	1.6 D DOHC Petrol
Refill engine oil including filter (approximately)	4.5 L
Engine oil between MIN and MAX	1.0 L
Coolant (approximately)	5.6 L
Fuel tank	46.0 L

Tyre pressure

Tyre size	Recommended pressure					
	Front		Rear		Spare	
	kPa	PSI	kPa	PSI	kPa	PSI
195/65 R15 91H	240	35	240	35	240	35

Customer information

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Customer satisfaction procedure

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation, servicing, parts/accessories or the validity of original equipment supplied with your vehicle will be handled by your Holden Dealer Sales and Service Department.

We realise however that, with the best intentions, misunderstandings sometimes occur.

Therefore, we suggest you discuss any concern with one of the Holden Dealer management people.

If you have not received satisfaction from the Sales Manager or Service Manager, go to the General Manager or to the Dealer Principal.

By now you should have satisfaction. If not, the Holden Customer Assistance office is at your disposal.

Customer assistance offices

Australia

The Holden Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:

1800 033 349

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager
Holden Customer Assistance Centre
GPO Box 1714
Melbourne 3001

Your letter should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service/ Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service/Warranty Booklet in your vehicle's glove box.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

New Zealand

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

0800 HOLDEN (**0800 465 336**)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Assistance.

If you prefer to write the address is:

The Manager
Holden Customer Assistance Centre
P.O Box 11195
Ellerslie
Auckland 1542
New Zealand

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